

Converting Colors

XYZ(73.1315, 77.7780, 93.7711)

Have a look what the booklet for
XYZ(73.1315, 77.7780, 93.7711)
contains.

XYZ(73.2384, 77.9450, 93.6229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.2384, 77.9450,
93.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE6F0
RGB	219, 230, 240
RGB Percent	86%, 90%, 94%
CMY	0.1412, 0.0980, 0.0588
CMYK	0.09, 0.04, 0.00, 0.06
HSL	209°, 41%, 90%
HSV	209°, 9%, 94%
XYZ	73.2384, 77.9450, 93.6229
YIQ	227.8510, -9.7660, 0.7780

Conversions

Conversions Part 2

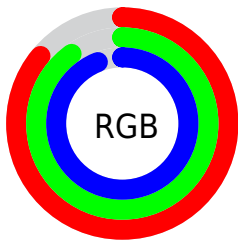
Format	Color
R _{YB}	219, 226, 240
Decimal	14411504
CIE Lab	90.75, -1.76, -6.12
CIE LCh	91, 6.370, 253.977
Yxy	77.9450, 0.2992, 0.3184
Android (android.graphics.Color)	4292601584 (0xFFDBE6F0)
YUV	227.8510, 5.9895, -7.7623
Hunter-Lab	88.2865, -6.4259, -1.0732

Details

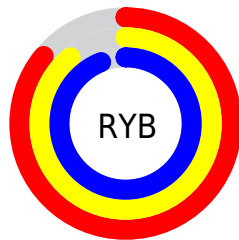
The XYZ color **73.2384, 77.9450, 93.6229** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.7409, 79.6777, 78.3538**, and the grayscale version is **73.5985, 77.4314, 84.3228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2915, 42.0131, 51.3859** is the 20% darker color. If you saturate the color by 10%, you get **63.4568, 68.3382, 92.2854**, and if you desaturate by 10%, it is **84.2739, 88.5118, 95.0821**.

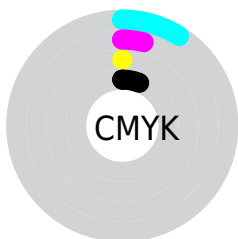
Distribution



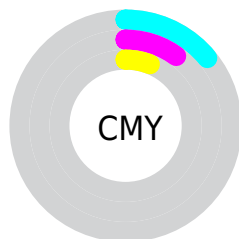
- Red (86%)
- Green (90%)
- Blue (94%)



- Red (86%)
- Yellow (89%)
- Blue (94%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2384, 77.9450, 93.6229 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.2384, 77.9450, 93.6229 by changing the saturation by 10% instead.

■ 73.2384, 77.9450,
93.6229

■ 73.2384, 77.9450,
93.6229

460.9317,
487.9800, 560.6182

■ 54.4600, 58.0288,
70.3988

122.8169,
130.4726, 154.3399

■ 39.2017, 41.8318,
51.3729

154.3477,
163.8528, 192.6698

■ 27.0981, 28.9696,
36.1267

190.8600,
202.4897, 236.8722

■ 17.7839, 19.0578,
24.2416

232.7192,
246.7678, 287.3654

■ 10.8937, 11.7121,
15.2991

280.2906,
297.0715, 344.5681

■ 6.0621, 6.5479,
8.8806

333.9396,

■ 2.9239, 3.1810,

353.7852, 408.8987

4.5676

394.0315,
417.2932, 480.7759

■ 1.1137, 1.2270,
1.9416

■ 0.0365, 0.0836,
0.5190

■ 73.2384, 77.9450,
93.6229

■ 73.2384, 77.9450,
93.6229

■ 63.4568, 68.3382,
92.2854

■ 84.2739, 88.5118,
95.0821

■ 54.8740, 59.6508,
91.0609

■ 92.0477, 97.7100,
96.4478

■ 47.4407, 51.8534,
89.9476

■ 92.7284, 99.0714,
96.6747

■ 41.1013, 44.9111,
88.9417

■ 35.7951, 38.7861,
88.0392

■ 31.4552, 33.4373,
87.2355

■ 28.0053, 28.8185,
86.5258

■ 25.3565, 24.8765,
85.9045

■ 23.3791, 21.5371,
85.3642

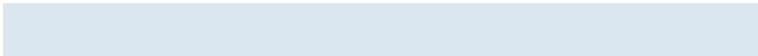
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8923, 77.9450, 91.1356



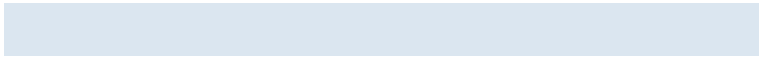
73.2384, 77.9450, 93.6229



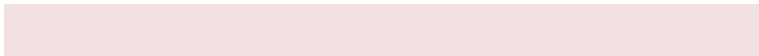
74.8300, 77.9450, 93.7098

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.2384, 77.9450, 93.6229



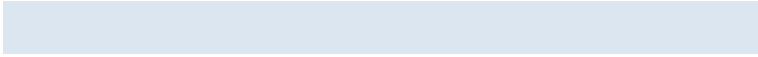
77.1103, 77.9450, 82.7583



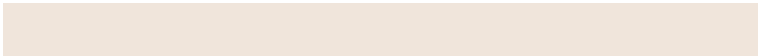
71.9685, 77.9450, 78.6846

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



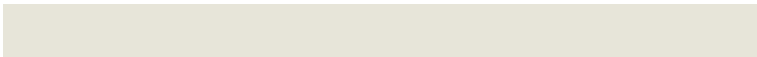
73.2384, 77.9450, 93.6229



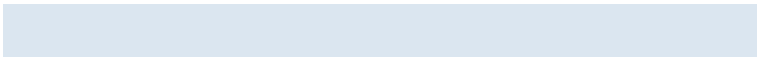
76.7409, 79.6777, 78.3538

Split Complementary

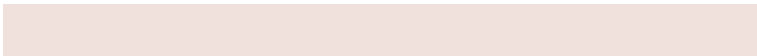
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3437, 77.9450, 76.6022



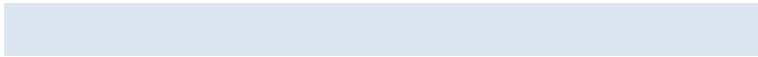
73.2384, 77.9450, 93.6229



76.3206, 77.9450, 78.8962

Square

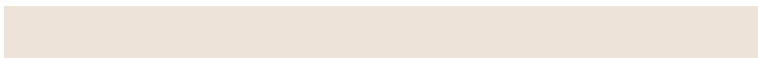
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2384, 77.9450, 93.6229



77.0811, 77.9450, 87.3243



74.9369, 77.9450, 76.6782



71.1664, 77.9450, 82.4599

Rectangle

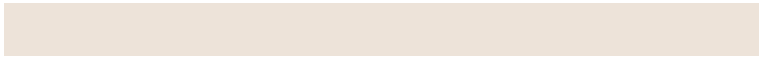
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



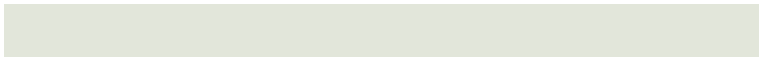
73.2384, 77.9450, 93.6229



75.8172, 77.9450, 92.3876



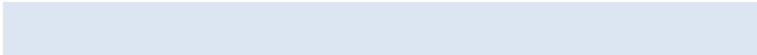
74.9369, 77.9450, 76.6782



72.3782, 77.9450, 77.7695

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.2407, 77.9483, 93.6246



91.1406, 96.2764, 108.3873



74.4897, 83.0275, 86.0836



19.2890, 20.3978, 23.1705



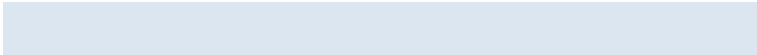
0.0000, 0.0000, 0.0000



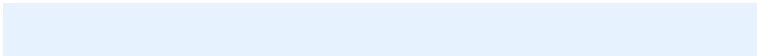
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2407, 77.9483, 93.6246



82.5320, 87.9787, 107.2394



70.4574, 72.3817, 92.6969



15.5827, 16.5995, 20.1043



12.8112, 11.8467, 46.7393



1.1654, 1.1847, 3.9215

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.5514, 74.9030, 85.3425



85.5546, 84.0384, 96.3962



79.6770, 85.5499, 79.3325



16.1188, 15.8972, 18.1818



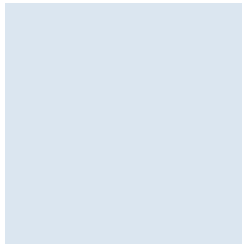
21.7921, 10.9893, 12.0879



1.8632, 0.9343, 1.2703

Previews

White Background



This preview shows how the XYZ color 73.2384, 77.9450, 93.6229 looks on a white background.

Color Contrast Check

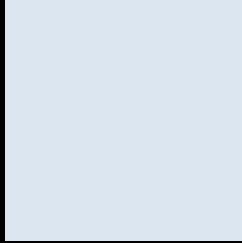
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 73.2384, 77.9450, 93.6229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

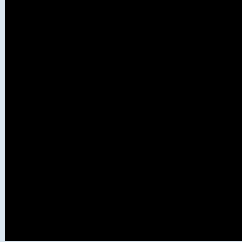
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

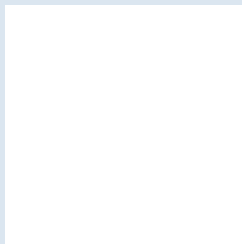
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.2384, 77.9450, 93.6229

Background



This preview shows how black text looks on a background with the XYZ color 73.2384, 77.9450, 93.6229.

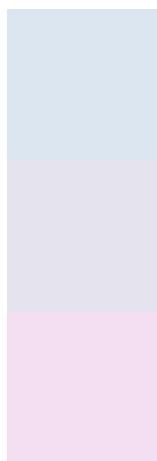


This preview shows how white text looks on a background with the XYZ color 73.2384, 77.9450,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.2384, 77.9450, 93.6229

Protanopia

75.2148, 77.7692, 91.9356

Deuteranopia

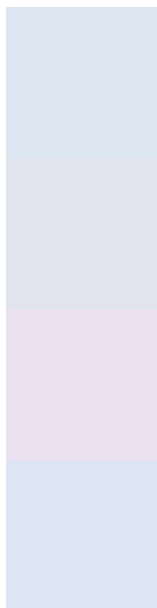
79.4565, 77.8865, 94.8502



Tritanopia

74.3230, 77.9697, 99.1281

Trichromacy



Original Color

73.2384, 77.9450, 93.6229

Protanomaly

74.3747, 77.7264, 92.7441

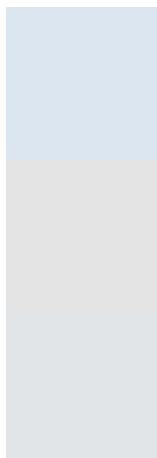
Deuteranomaly

77.0633, 77.8635, 94.1866

Tritanomaly

73.8636, 77.7859, 96.7091

Monochromacy



Original Color

73.2384, 77.9450, 93.6229

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.6361, 77.8724, 87.4938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2384, 77.9450, 93.6229 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(219, 230, 240) looks like.

```
.text, #text, p{  
    color:rgb(219, 230, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 230, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 230, 240) }
```

Border

The CSS property to change the border of an element to XYZ 73.2384, 77.9450, 93.6229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 230, 240) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 230, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 230, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 230, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 230, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 230,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2384, 77.9450, 93.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 230, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
230, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor