

Converting Colors

XYZ(73.2980, 75.3044, 89.8542)

Have a look what the booklet for
XYZ(73.2980, 75.3044, 89.8542)
contains.

XYZ(73.2066, 75.1624, 90.0063)	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(73.2066, 75.1624,
90.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DFEC
RGB	227, 223, 236
RGB Percent	89%, 87%, 93%
CMY	0.1098, 0.1255, 0.0745
CMYK	0.04, 0.06, 0.00, 0.07
HSL	258°, 25%, 90%
HSV	258°, 6%, 93%
XYZ	73.2066, 75.1624, 90.0063
YIQ	225.6780, -1.7890, 4.8910

Conversions

Conversions Part 2

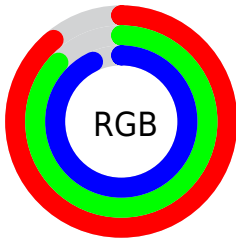
Format	Color
R _Y B	227, 223, 236
Decimal	14933996
CIE Lab	89.47, 3.72, -5.86
CIE LCh	89, 6.938, 302.399
Yxy	75.1624, 0.3071, 0.3153
Android (android.graphics.Color)	4293124076 (0xFFE3DFEC)
YUV	225.6780, 5.0887, 1.1594
Hunter-Lab	86.6963, -0.9925, -0.8663

Details

The XYZ color **73.2066, 75.1624, 90.0063** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.5962, 82.4764, 81.6983**, and the grayscale version is **72.0235, 75.7743, 82.5182**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2541, 40.0712, 48.8456** is the 20% darker color. If you saturate the color by 10%, you get **62.4237, 60.8884, 87.8206**, and if you desaturate by 10%, it is **85.3620, 91.4528, 92.5111**.

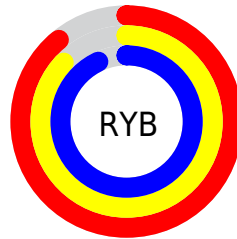
Distribution



Red (89%)

Green (87%)

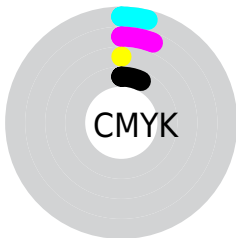
Blue (93%)



Red (89%)

Yellow (87%)

Blue (93%)

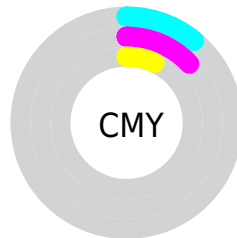


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2066, 75.1624, 90.0063 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 73.2066, 75.1624, 90.0063 by changing the saturation by 10% instead.

■ 73.2066, 75.1624,
90.0063

■ 73.2066, 75.1624,
90.0063

460.8233,
478.4756, 548.6220

■ 54.4339, 55.7459,
67.4121

122.7720,
126.5422, 149.2827

■ 39.1807, 39.9993,
48.9559

154.2954,
159.2744, 186.8021

■ 27.0817, 27.5380,
34.2192

190.7998,
197.2139, 230.1336

■ 17.7715, 17.9777,
22.7833

232.6505,
240.7451, 279.6957

■ 10.8847, 10.9340,
14.2298

280.2128,
290.2525, 335.9071

■ 6.0561, 6.0224,
8.1401

333.8521,

■ 2.9202, 2.8587,

346.1205, 399.1863

4.0957

393.9338,
408.7334, 469.9517

■ 1.1117, 1.0584,
1.6780

■ 0.0349, 0.0000,
0.3456

■ 73.2066, 75.1624,
90.0063

■ 73.2066, 75.1624,
90.0063

■ 62.4237, 60.8884,
87.8206

■ 85.3620, 91.4528,
92.5111

■ 52.9571, 48.5417,
85.9364

■ 92.1405, 98.8362,
93.5790

■ 44.7561, 38.0411,
84.3418

■ 37.7642, 29.2956,
83.0223

■ 31.9205, 22.2062,
81.9619

■ 27.1581, 16.6642,
81.1432

■ 23.4028, 12.5470,
80.5464

■ 20.5697, 9.7129,
80.1487

■ 18.5570, 7.9884,
79.9219

Harmonies

Analogous

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



71.5766, 75.1624, 91.5601



73.2066, 75.1624, 90.0063



74.3777, 75.1624, 86.2565

Triad

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



73.2066, 75.1624, 90.0063



72.9658, 75.1624, 73.8149



68.2211, 75.1624, 82.2318

Complementary

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



73.2066, 75.1624, 90.0063



76.5962, 82.4764, 81.6983

Split Complementary

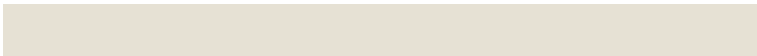
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5799, 75.1624, 77.5751



73.2066, 75.1624, 90.0063



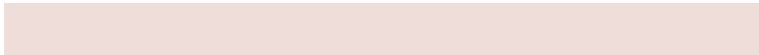
71.3028, 75.1624, 72.8317

Square

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



73.2066, 75.1624, 90.0063



74.2372, 75.1624, 76.9216



69.7013, 75.1624, 74.1815



68.7132, 75.1624, 86.9618

Rectangle

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



73.2066, 75.1624, 90.0063



74.7311, 75.1624, 83.0845



69.7013, 75.1624, 74.1815



68.2462, 75.1624, 80.6062

Sweetspot

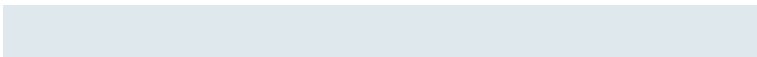
The Sweet Spot groups the original color and five complimentary colors.



73.2088, 75.1656, 90.0079



92.1571, 96.1254, 108.3046



74.4591, 79.5161, 90.7818



19.7558, 20.6154, 23.1879



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.



73.2088, 75.1656, 90.0079



85.2154, 86.8658, 106.8832



75.2654, 76.2258, 90.1042



15.1129, 15.3655, 19.0916



9.9584, 4.1697, 44.0229



0.8771, 0.3765, 3.4613

Inverse Universe

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



75.5479, 76.4378, 87.1198



88.7463, 88.7868, 102.5010



74.5561, 81.4247, 81.6028



15.7911, 15.7345, 18.2483



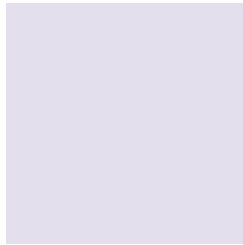
22.7934, 11.3201, 20.5114



1.8325, 0.9060, 1.8354

Previews

White Background



This preview shows how the XYZ color 73.2066, 75.1624, 90.0063 looks on a white background.

Color Contrast Check

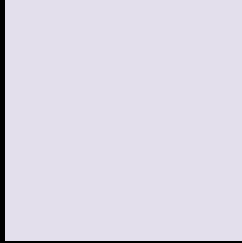
Large Text (above 18pt) WCAG AA × Fail

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 73.2066, 75.1624, 90.0063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

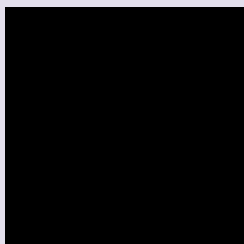
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

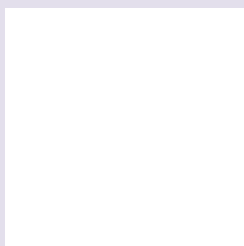
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.2066, 75.1624, 90.0063

Background



This preview shows how black text looks on a background with the XYZ color 73.2066, 75.1624, 90.0063.

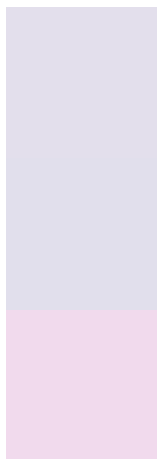


This preview shows how white text looks on a background with the XYZ color 73.2066, 75.1624,

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

73.2066, 75.1624, 90.0063

Protanopia

72.5793, 74.8390, 89.9769

Deuteranopia

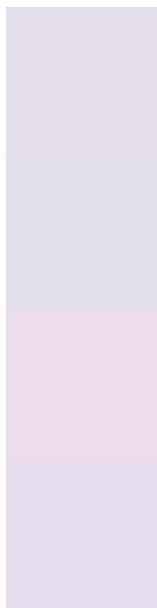
76.6331, 74.9580, 90.5501



Tritanopia

73.8444, 75.0278, 93.0279

Trichromacy



Original Color

73.2066, 75.1624, 90.0063

Protanomaly

72.8920, 75.0002, 89.9916

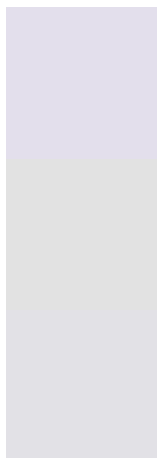
Deuteranomaly

75.4713, 75.1337, 90.6452

Tritanomaly

73.6962, 74.9685, 92.2475

Monochromacy



Original Color

73.2066, 75.1624, 90.0063

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.5722, 75.7323, 85.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2066, 75.1624, 90.0063 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(227, 223, 236)` looks like.

```
.text, #text, p{  
    color:rgb(227, 223, 236)  
}
```

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(227, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 73.2066, 75.1624, 90.0063 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(227, 223, 236) }
```


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

```
.border{ border-color:rgb(227, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2066, 75.1624, 90.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 223, 236) }
```

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

```
.background{ background-color: rgb(227,  
223, 236) }
```

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