

Converting Colors

XYZ(72.7257, 77.6006, 96.2314)

Have a look what the booklet for
XYZ(72.7257, 77.6006, 96.2314)
contains.

XYZ(72.7934, 77.6636, 95.9480)	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(72.7934, 77.6636,
95.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E6F3
RGB	216, 230, 243
RGB Percent	85%, 90%, 95%
CMY	0.1529, 0.0980, 0.0471
CMYK	0.11, 0.05, 0.00, 0.05
HSL	209°, 53%, 90%
HSV	209°, 11%, 95%
XYZ	72.7934, 77.6636, 95.9480
YIQ	227.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

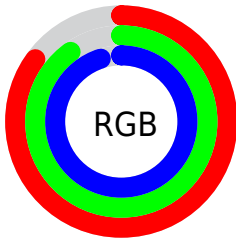
Format	Color
R _Y B	216, 225, 243
Decimal	14214899
CIE Lab	90.63, -2.13, -7.91
CIE LCh	91, 8.189, 254.894
Yxy	77.6636, 0.2954, 0.3152
Android (android.graphics.Color)	4292404979 (0xFFD8E6F3)
YUV	227.2960, 7.7421, -9.9066
Hunter-Lab	88.1270, -6.7801, -2.8630

Details

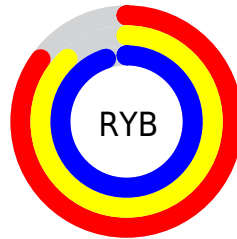
The XYZ color **72.7934, 77.6636, 95.9480** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3766, 80.0509, 76.3404**, and the grayscale version is **73.1829, 76.9941, 83.8465**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9976, 41.8249, 53.0313** is the 20% darker color. If you saturate the color by 10%, you get **62.9920, 67.9413, 94.5892**, and if you desaturate by 10%, it is **83.8794, 88.3766, 97.4327**.

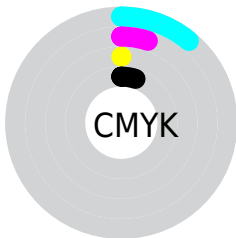
Distribution



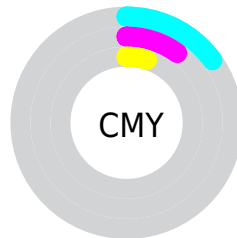
- Red (85%)
- Green (90%)
- Blue (95%)



- Red (85%)
- Yellow (88%)
- Blue (95%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7934, 77.6636, 95.9480 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 72.7934, 77.6636, 95.9480 by changing the saturation by 10% instead.

■ 72.7934, 77.6636,
95.9480

■ 72.7934, 77.6636,
95.9480

459.4133,
487.0236, 568.2571

■ 54.0948, 57.7977,
72.3230

122.1886,
130.0758, 157.5805

■ 38.9084, 41.6460,
52.9341

153.6159,
163.3909, 196.4251

■ 26.8689, 28.8242,
37.3628

190.0168,
201.9578, 241.1799

■ 17.6109, 18.9479,
25.1905

231.7568,
246.1609, 292.2636

■ 10.7690, 11.6326,
15.9988

279.2010,
296.3846, 350.0946

■ 5.9778, 6.4940,
9.3689

332.7150,

■ 2.8721, 3.1478,

353.0134, 415.0915

4.8825

392.6639,
416.4316, 487.6728

■ 1.0865, 1.2094,
2.1210

■ 0.0138, 0.0693,
0.6282

■ 72.7934, 77.6636,
95.9480

■ 72.7934, 77.6636,
95.9480

■ 62.9920, 67.9413,
94.5892

■ 83.8794, 88.3766,
97.4327

■ 54.4179, 59.1676,
93.3476

■ 92.6695, 98.2343,
98.8722

■ 47.0189, 51.3112,
92.2212

■ 93.1779, 99.2512,
99.0417

■ 40.7365, 44.3352,
91.2058

■ 35.5067, 38.1996,
90.2971

■ 31.2581, 32.8605,
89.4905

■ 27.9096, 28.2685,
88.7806

■ 25.3645, 24.3660,
88.1615

■ 23.6425, 21.4003,
87.6798

Harmonies

Analogous

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



71.0569, 77.6636, 92.7914



72.7934, 77.6636, 95.9480



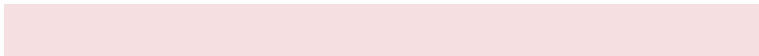
74.8357, 77.6636, 95.9598

Triad

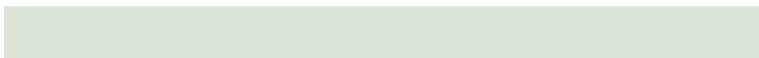
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7934, 77.6636, 95.9480



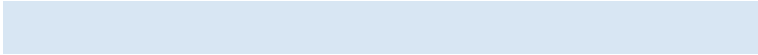
77.6961, 77.6636, 81.6912



71.0670, 77.6636, 76.8072

Complementary

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



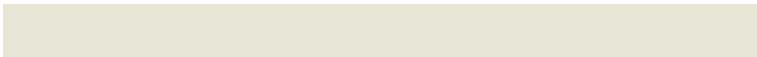
72.7934, 77.6636, 95.9480



77.3766, 80.0509, 76.3404

Split Complementary

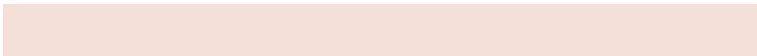
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8074, 77.6636, 74.1053



72.7934, 77.6636, 95.9480



76.6475, 77.6636, 76.8350

Square

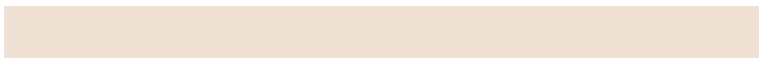
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7934, 77.6636, 95.9480



77.6922, 77.6636, 87.5417



74.8500, 77.6636, 74.1152



70.0727, 77.6636, 81.6516

Rectangle

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



72.7934, 77.6636, 95.9480



76.0972, 77.6636, 94.1738



74.8500, 77.6636, 74.1152



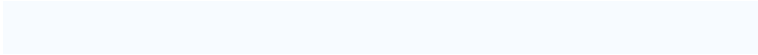
71.5827, 77.6636, 75.6284

Sweetspot

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



72.7957, 77.6669, 95.9497



91.1278, 96.2508, 108.3831



74.4579, 84.3363, 86.1918



19.2856, 20.3908, 23.1693



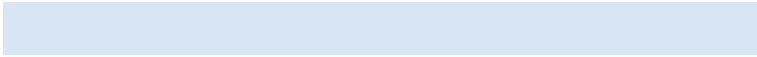
0.0000, 0.0000, 0.0000



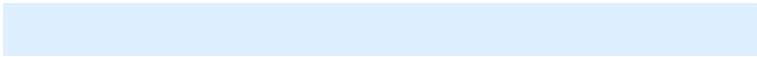
20.3446, 21.4041, 23.3091

Same Dimension

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



72.7957, 77.6669, 95.9497



79.0073, 84.4839, 106.7506



69.2851, 70.6457, 94.7795



16.2922, 17.3486, 21.0325



13.1115, 12.0169, 48.1665



1.2553, 1.2620, 4.2677

Inverse Universe

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



75.8028, 73.8813, 85.1319



82.9078, 79.6574, 92.7002



81.1400, 87.5777, 77.5949



16.8580, 16.6261, 18.9990



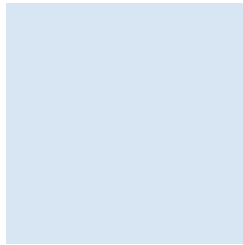
22.4226, 11.3125, 12.1998



2.0227, 1.0150, 1.3458

Previews

White Background



This preview shows how the XYZ color 72.7934, 77.6636, 95.9480 looks on a white background.

Color Contrast Check

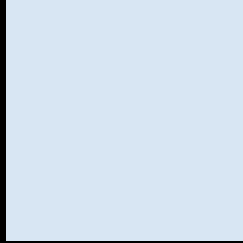
Large Text (above 18pt) WCAG AA × Fail

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 72.7934, 77.6636, 95.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

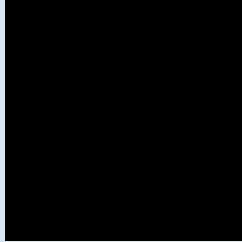
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

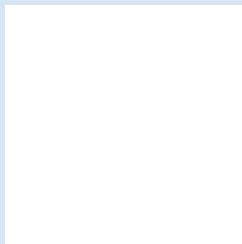
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7934, 77.6636, 95.9480

Background



This preview shows how black text looks on a background with the XYZ color 72.7934, 77.6636, 95.9480.



This preview shows how white text looks on a background with the XYZ color 72.7934, 77.6636,

95.9480.

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

72.7934, 77.6636, 95.9480

Protanopia

75.3412, 77.7830, 94.2618

Deuteranopia

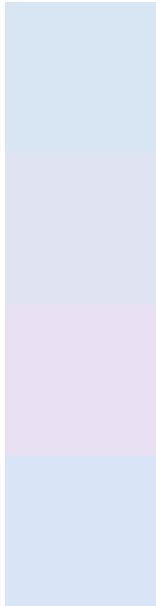
78.9558, 77.1827, 97.1225



Tritanopia

73.4231, 77.5057, 99.0860

Trichromacy



Original Color

72.7934, 77.6636, 95.9480

Protanomaly

74.5109, 77.7449, 95.0835

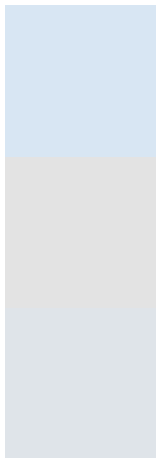
Deuteranomaly

76.5891, 77.1666, 96.4459

Tritanomaly

73.2691, 77.4442, 98.2753

Monochromacy



Original Color

72.7934, 77.6636, 95.9480

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.8828, 77.0580, 88.1231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7934, 77.6636, 95.9480 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(216, 230, 243) looks like.

```
.text, #text, p{  
    color:rgb(216, 230, 243)  
}
```

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(216, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 230, 243) }
```

Border

The CSS property to change the border of an element to XYZ 72.7934, 77.6636, 95.9480 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(216, 230, 243) }
```


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

```
.border{ border-color:rgb(216, 230, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 230, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 230,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7934, 77.6636, 95.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 230, 243) }
```

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

```
.background{ background-color: rgb(216,  
230, 243) }
```

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](#).

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