

Converting Colors

XYZ(74.5228, 80.3285, 98.8615)

Have a look what the booklet for
XYZ(74.5228, 80.3285, 98.8615)
contains.

XYZ(74.3763, 80.0984, 98.7293)	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(74.3763, 80.0984,
98.7293)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EAF6
RGB	216, 234, 246
RGB Percent	85%, 92%, 96%
CMY	0.1529, 0.0823, 0.0353
CMYK	0.12, 0.05, 0.00, 0.04
HSL	204°, 63%, 91%
HSV	204°, 12%, 96%
XYZ	74.3763, 80.0984, 98.7293
YIQ	229.9860, -14.5800, -0.0840

Conversions

Conversions Part 2

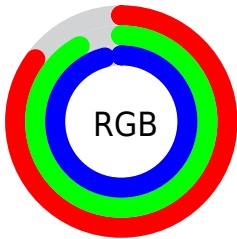
Format	Color
R _Y B	216, 227, 246
Decimal	14215926
CIE Lab	91.73, -3.60, -7.84
CIE LCh	92, 8.625, 245.362
Yxy	80.0984, 0.2937, 0.3163
Android (android.graphics.Color)	4292406006 (0xFFD8EAF6)
YUV	229.9860, 7.8949, -12.2657
Hunter-Lab	89.4977, -8.2801, -2.7573

Details

The XYZ color **74.3763, 80.0984, 98.7293** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1446, 80.0372, 76.2973**, and the grayscale version is **75.1566, 79.0706, 86.1078**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9126, 43.1356, 54.9376** is the 20% darker color. If you saturate the color by 10%, you get **64.9227, 71.1840, 97.5082**, and if you desaturate by 10%, it is **85.0782, 89.8914, 100.0568**.

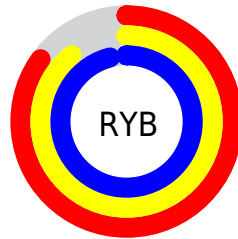
Distribution



Red (85%)

Green (92%)

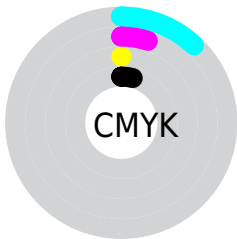
Blue (96%)



Red (85%)

Yellow (89%)

Blue (96%)

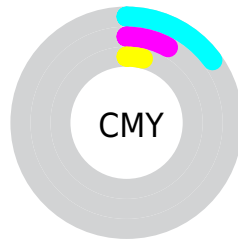


Cyan (12%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (15%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3763, 80.0984, 98.7293 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 74.3763, 80.0984, 98.7293 by changing the saturation by 10% instead.

■ 74.3763, 80.0984,
98.7293

■ 74.3763, 80.0984,
98.7293

464.8014,
495.2644, 577.3228

■ 55.3945, 59.7993,
74.6288

124.4217,
133.5041, 161.4465

■ 39.9527, 43.2569,
54.8089

156.2160,
167.3795, 200.9002

■ 27.6857, 30.0867,
38.8512

193.0119,
206.5491, 246.3088

■ 18.2281, 19.9044,
26.3370

235.1746,
251.3973, 298.0907

■ 11.2146, 12.3256,
16.8479

283.0695,
302.3086, 356.6645

■ 6.2797, 6.9658,
9.9653

337.0621,

■ 3.0582, 3.4407,

359.6672, 422.4488

5.2707

397.5176,
423.8577, 495.8620

■ 1.1846, 1.3659,
2.3454

■ 0.0942, 0.1914,
0.7565

■ 74.3763, 80.0984,
98.7293

■ 74.3763, 80.0984,
98.7293

■ 64.9227, 71.1840,
97.5082

■ 85.0782, 89.8914,
100.0568

■ 56.6596, 63.1084,
96.3849

■ 93.2151, 98.5946,
101.3078

■ 49.5350, 55.8430,
95.3581

■ 93.6348, 99.4339,
101.4477

■ 43.4900, 49.3536,
94.4241

■ 38.4601, 43.6030,
93.5792

■ 34.3730, 38.5498,
92.8193

■ 31.1460, 34.1470,
92.1395

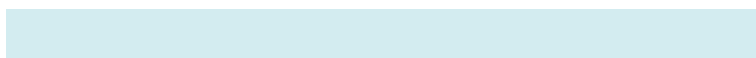
■ 28.6796, 30.3390,
91.5345

■ 27.1664, 27.7171,
91.1082

Harmonies

Analogous

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



72.7237, 80.0984, 94.4354



74.3763, 80.0984, 98.7293



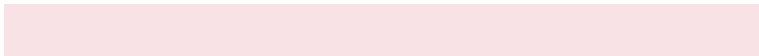
76.5282, 80.0984, 99.8774

Triad

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



74.3763, 80.0984, 98.7293



80.4333, 80.0984, 86.0832



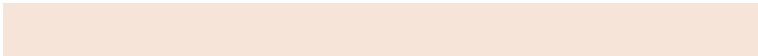
73.7023, 80.0984, 77.6762

Complementary

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



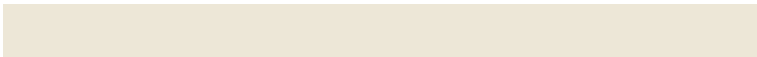
74.3763, 80.0984, 98.7293



78.1446, 80.0372, 76.2973

Split Complementary

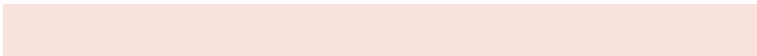
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7354, 80.0984, 75.6681



74.3763, 80.0984, 98.7293



79.6433, 80.0984, 80.3696

Square

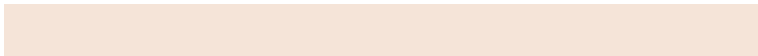
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



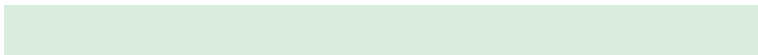
74.3763, 80.0984, 98.7293



80.0525, 80.0984, 92.3770



77.9133, 80.0984, 76.6300



72.3399, 80.0984, 82.2461

Rectangle

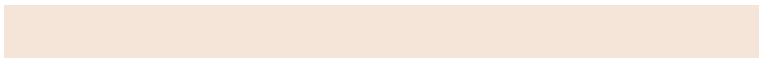
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.3763, 80.0984, 98.7293



77.9627, 80.0984, 98.6589



77.9133, 80.0984, 76.6300



74.3285, 80.0984, 76.6895

Sweetspot

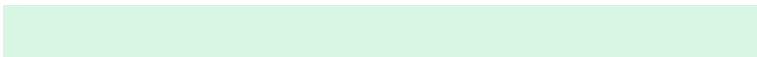
The Sweet Spot groups the original color and five complimentary colors.



74.3786, 80.1017, 98.7311



90.1090, 95.5416, 108.2999



75.2104, 86.0856, 85.6890



19.0935, 20.2741, 23.1569



0.0000, 0.0000, 0.0000



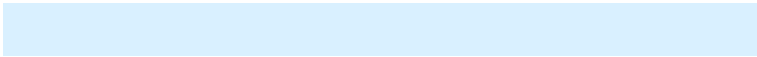
20.3446, 21.4041, 23.3091

Same Dimension

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



74.3786, 80.1017, 98.7311



77.6641, 84.0795, 106.7434



70.4171, 72.1787, 97.4106



16.4084, 17.5810, 21.0712



14.6411, 15.0760, 48.6763



1.3872, 1.5258, 4.3116

Inverse Universe

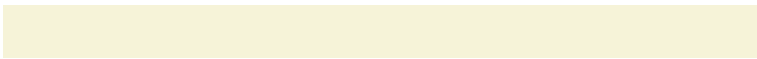
The Inverse Universe completely reimagines the original color for something new.



77.4151, 74.6468, 88.1738



81.6727, 77.0306, 92.7716



82.3032, 88.3544, 77.6835



16.9167, 16.6495, 19.3079



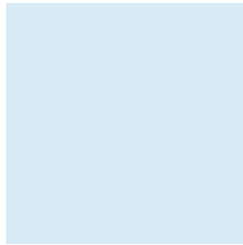
23.1947, 11.6213, 16.2654



2.0893, 1.0417, 1.6964

Previews

White Background



This preview shows how the XYZ color 74.3763, 80.0984, 98.7293 looks on a white background.

Color Contrast Check

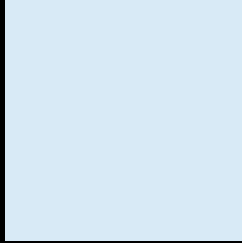
Large Text (above 18pt) WCAG AA × Fail

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 74.3763, 80.0984, 98.7293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

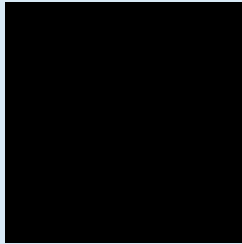
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

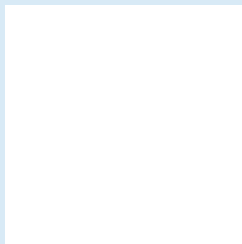
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.3763, 80.0984, 98.7293

Background



This preview shows how black text looks on a background with the XYZ color 74.3763, 80.0984, 98.7293.

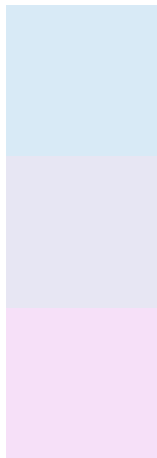


This preview shows how white text looks on a background with the XYZ color 74.3763, 80.0984,

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

74.3763, 80.0984, 98.7293

Protanopia

77.4295, 80.0536, 96.1649

Deuteranopia

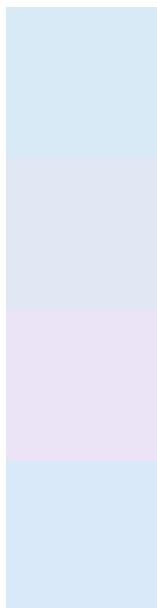
81.6050, 79.6815, 99.8859



Tritanopia

75.3249, 80.0578, 103.5781

Trichromacy



Original Color

74.3763, 80.0984, 98.7293

Protanomaly

76.2691, 79.8522, 96.9812

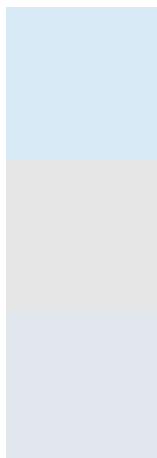
Deuteranomaly

78.7929, 79.8644, 99.2582

Tritanomaly

75.0095, 79.9317, 101.9174

Monochromacy



Original Color

74.3763, 80.0984, 98.7293

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.7676, 79.2155, 90.7063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.3763, 80.0984, 98.7293 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, 234, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 234, 246)  
}
```

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, 234, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 234, 246) }
```

Border

The CSS property to change the border of an element to XYZ 74.3763, 80.0984, 98.7293 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, 234, 246) }
```


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

```
.border{ border-color:rgb(216, 234, 246) }
```

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

Here you see how a box with a 4 pixel rgb(216, 234, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 234, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 234, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 234,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 74.3763, 80.0984, 98.7293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 234, 246) }
```

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

```
.background{ background-color: rgb(216,  
234, 246) }
```

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