

Converting Colors

XYZ(68.5173, 74.1871, 89.0029)

Have a look what the booklet for
XYZ(68.5173, 74.1871, 89.0029)
contains.

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Color

**XYZ(68.7590, 74.4916,
89.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E3EB
RGB	209, 227, 235
RGB Percent	82%, 89%, 92%
CMY	0.1804, 0.1098, 0.0784
CMYK	0.11, 0.03, 0.00, 0.08
HSL	198°, 39%, 87%
HSV	198°, 11%, 92%
XYZ	68.7590, 74.4916, 89.3516
YIQ	222.5300, -13.2960, -1.3280

Conversions

Conversions Part 2

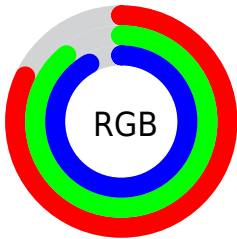
Format	Color
R _Y B	209, 220, 235
Decimal	13755371
CIE Lab	89.15, -4.40, -5.94
CIE LCh	89, 7.397, 233.479
Yxy	74.4916, 0.2956, 0.3203
Android (android.graphics.Color)	4291945451 (0xFFD1E3EB)
YUV	222.5300, 6.1477, -11.8658
Hunter-Lab	86.3085, -8.8351, -0.9645

Details

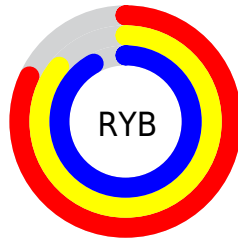
The XYZ color **68.7590, 74.4916, 89.3516** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5829, 71.8911, 70.4793**, and the grayscale version is **69.7723, 73.4059, 79.9390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2156, 39.6297, 48.3884** is the 20% darker color. If you saturate the color by 10%, you get **60.6592, 67.4444, 88.4194**, and if you desaturate by 10%, it is **77.9268, 82.2166, 90.3606**.

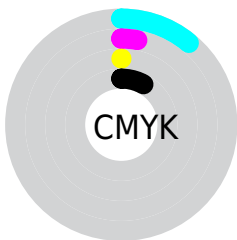
Distribution



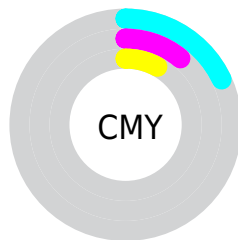
- Red (82%)
- Green (89%)
- Blue (92%)



- Red (82%)
- Yellow (86%)
- Blue (92%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7590, 74.4916, 89.3516 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 68.7590, 74.4916, 89.3516 by changing the saturation by 10% instead.

■ 68.7590, 74.4916,
89.3516

■ 68.7590, 74.4916,
89.3516

445.5152,
476.1683, 546.4350

■ 50.7914, 55.1965,
66.8723

116.4732,
125.5924, 148.3650

■ 36.2630, 39.5591,
48.5199

146.9506,
158.1670, 185.7363

■ 24.8084, 27.1949,
33.8759

182.3286,
195.9367, 228.9086

■ 16.0623, 17.7197,
22.5217

222.9725,
239.2862, 278.3005

■ 9.6594, 10.7489,
14.0388

269.2478,
288.5996, 334.3305

■ 5.2343, 5.8983,
8.0086

321.5198,

■ 2.4215, 2.7833,

344.2616, 397.4173

4.0126

380.1538,
406.6563, 467.9792

■ 0.8559, 1.0197,
1.6322

■ 0.0000, 0.0000,
0.3137

■ 68.7590, 74.4916,
89.3516

■ 68.7590, 74.4916,
89.3516

■ 60.6592, 67.4444,
88.4194

■ 77.9268, 82.2166,
90.3606

■ 53.5772, 61.0417,
87.5568

■ 87.8275, 90.4421,
91.4265

■ 47.4682, 55.2607,
86.7630

■ 90.0152, 94.8174,
92.1557

■ 42.2814, 50.0738,
86.0352

■ 91.9956, 98.7782,
92.8159

■ 37.9609, 45.4506,
85.3705

■ 34.4447, 41.3575,
84.7658

■ 31.6616, 37.7561,
84.2174

■ 29.5265, 34.6009,
83.7209

■ 28.0434, 32.0938,
83.3151

Harmonies

Analogous

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



67.6699, 74.4916, 85.1287



68.7590, 74.4916, 89.3516



70.4091, 74.4916, 91.3776

Triad

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



68.7590, 74.4916, 89.3516



74.3023, 74.4916, 82.2414



69.4299, 74.4916, 72.3393

Complementary

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



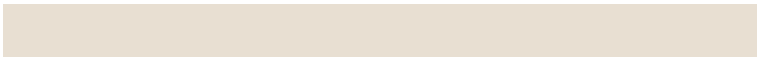
68.7590, 74.4916, 89.3516



70.5829, 71.8911, 70.4793

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.



71.1965, 74.4916, 71.6394



68.7590, 74.4916, 89.3516



74.0294, 74.4916, 77.2172

Square

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



68.7590, 74.4916, 89.3516



73.6246, 74.4916, 87.1616



72.8851, 74.4916, 73.3890



68.0526, 74.4916, 75.3427

Rectangle

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



68.7590, 74.4916, 89.3516



71.6131, 74.4916, 91.1513



72.8851, 74.4916, 73.3890



69.9971, 74.4916, 71.8322

Sweetspot

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



68.7612, 74.4947, 89.3533



91.5453, 97.0858, 108.5222



68.5025, 77.9726, 76.9505



19.3983, 20.6164, 23.2069



0.0000, 0.0000, 0.0000



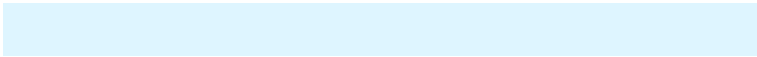
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7612, 74.4947, 89.3533



80.7214, 87.9122, 107.3220



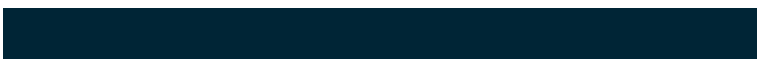
65.3885, 67.7494, 88.2290



15.1041, 16.2946, 19.2714



15.7254, 18.0978, 46.4074



1.3194, 1.5902, 3.6723

Inverse Universe

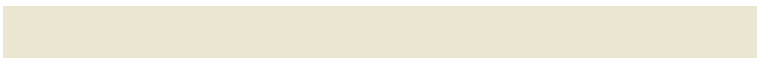
The Inverse Universe completely reimagines the original color for something new.



70.9283, 68.8108, 82.2201



83.7730, 80.0035, 97.2563



74.0120, 78.7493, 71.6223



15.5061, 15.2303, 17.9504



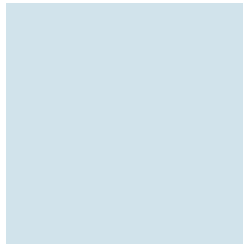
22.7928, 11.3198, 20.5078



1.8325, 0.9059, 1.8351

Previews

White Background



This preview shows how the XYZ color 68.7590, 74.4916, 89.3516 looks on a white background.

Color Contrast Check

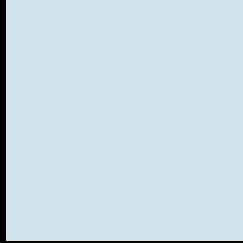
Large Text (above 18pt) WCAG AA × Fail

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 68.7590, 74.4916, 89.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

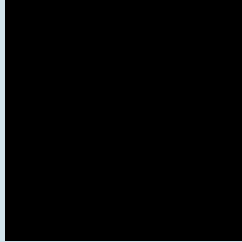
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

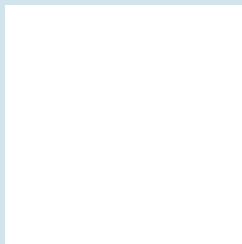
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7590, 74.4916, 89.3516

Background



This preview shows how black text looks on a background with the XYZ color 68.7590, 74.4916, 89.3516.



This preview shows how white text looks on a background with the XYZ color 68.7590, 74.4916,

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

68.7590, 74.4916, 89.3516

Protanopia

71.7381, 74.0763, 86.8611

Deuteranopia

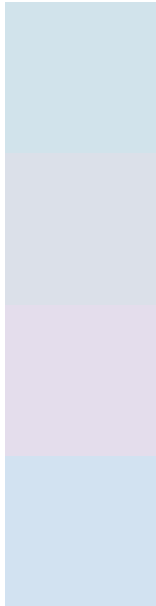
75.6955, 74.0909, 90.4321



Tritanopia

70.1038, 74.6260, 96.2973

Trichromacy



Original Color

68.7590, 74.4916, 89.3516

Protanomaly

70.5771, 74.2546, 87.7036

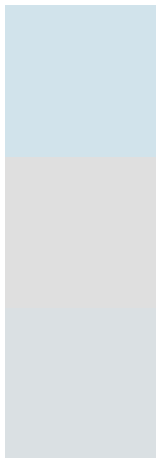
Deuteranomaly

72.9917, 74.2630, 89.8440

Tritanomaly

69.6519, 74.4452, 93.9174

Monochromacy



Original Color

68.7590, 74.4916, 89.3516

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4342, 73.7628, 83.2511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7590, 74.4916, 89.3516 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(209, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(209, 227, 235)  
}
```

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(209, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.7590, 74.4916, 89.3516 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(209, 227, 235) }
```


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

```
.border{ border-color:rgb(209, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(209, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7590, 74.4916, 89.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 227, 235) }
```

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

```
.background{ background-color: rgb(209,  
227, 235) }
```

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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