

Converting Colors

XYZ(36.7762, 39.0005, 68.4817)

Have a look what the booklet for
XYZ(36.7762, 39.0005, 68.4817)
contains.

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Color

**XYZ(36.7015, 38.8719,
68.5194)**

Conversions

Conversions Part 1

Format	Color
Hex	89AAD5
RGB	137, 170, 213
RGB Percent	54%, 67%, 84%
CMY	0.4627, 0.3333, 0.1647
CMYK	0.36, 0.20, 0.00, 0.16
HSL	214°, 47%, 69%
HSV	214°, 36%, 84%
XYZ	36.7015, 38.8719, 68.5194
YIQ	165.0350, -33.4710, 6.3770

Conversions

Conversions Part 2

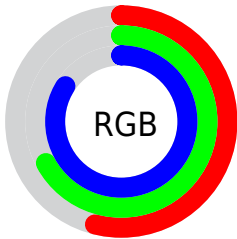
Format	Color
RYB	137, 160, 213
Decimal	9022165
CIELab	68.66, -0.81, -25.43
CIELCh	69, 25.438, 268.178
Yxy	38.8719, 0.2547, 0.2698
Android (android.graphics.Color)	4287212245 (0xFF89AAD5)
YUV	165.0350, 23.6467, -24.5867
Hunter-Lab	62.3473, -4.0317, -21.5163

Details

The XYZ color **36.7015, 38.8719, 68.5194** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.2780, 48.5956, 30.5036**, and the grayscale version is **35.6837, 37.5420, 40.8833**.

A 20% lighter version of the original color is **66.7134, 72.2769, 105.0424**, and **16.3061, 17.3103, 34.8295** is the 20% darker color. If you saturate the color by 10%, you get **31.3921, 32.9342, 67.6538**, and if you desaturate by 10%, it is **42.9098, 45.5822, 69.4881**.

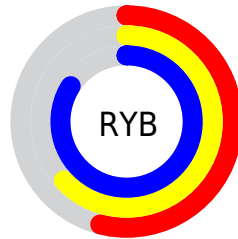
Distribution



Red (54%)

Green (67%)

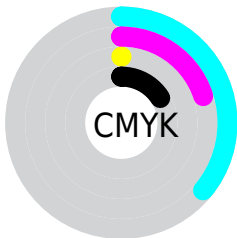
Blue (84%)



Red (54%)

Yellow (63%)

Blue (84%)

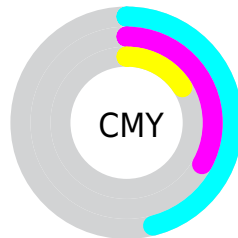


Cyan (36%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (46%)

Magenta (33%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7015, 38.8719, 68.5194 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 36.7015, 38.8719, 68.5194 by changing the saturation by 10% instead.

■ 36.7015, 38.8719,
68.5194

■ 36.7015, 38.8719,
68.5194

323.3944,
341.3456, 473.9820

■ 25.1491, 26.6601,
49.8511

■ 69.4303, 73.4426,
118.7561

■ 16.3175, 17.3181,
34.9247

■ 91.3373, 96.5702,
151.1616

■ 9.8414, 10.4616,
23.3218

■ 117.4266,
124.1053, 188.9832

■ 5.3554, 5.7060,
14.6238

148.0635,
156.4322, 232.6394

■ 2.4941, 2.6672,
8.4121

183.6134,
193.9352, 282.5489

■ 0.8923, 0.9605,
4.2682

224.4416,

■ 0.0000, 0.0000,

236.9989, 339.1301

1.7736

270.9135,
286.0075, 402.8017

■ 0.0000, 0.0000,
0.4105

■ 0.0000, 0.0000,
0.0000

■ 36.7015, 38.8719,
68.5194

■ 36.7015, 38.8719,
68.5194

■ 31.3921, 32.9342,
67.6538

■ 42.9098, 45.5822,
69.4881

■ 26.9315, 27.7324,
66.8849

■ 50.0559, 53.0905,
70.5607

■ 23.2702, 23.2333,
66.2094

■ 58.1809, 61.4264,
71.7414

■ 20.3512, 19.3986,
65.6231

■ 67.3224, 70.6166,
73.0335

■ 18.1093, 16.1852,
65.1210

■ 77.5156, 80.6865,
74.4400

■ 16.4648, 13.5421,
64.6975

■ 85.0949, 89.7532,
75.7906

■ 15.8800, 12.5435,
64.5356

■ 88.8070, 97.1774,
77.0279

■ 89.0104, 97.5841,
77.0957

Harmonies

Analogous

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



33.0203, 38.8719, 64.0498



36.7015, 38.8719, 68.5194



40.7168, 38.8719, 64.9815

Triad

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



36.7015, 38.8719, 68.5194



44.1848, 38.8719, 32.7115



30.7623, 38.8719, 31.6961

Complementary

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



36.7015, 38.8719, 68.5194



48.2780, 48.5956, 30.5036

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.



33.4166, 38.8719, 25.6616



36.7015, 38.8719, 68.5194



41.1724, 38.8719, 26.1689

Square

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



36.7015, 38.8719, 68.5194



45.2202, 38.8719, 43.0322



37.1927, 38.8719, 23.8360



29.7492, 38.8719, 41.6253

Rectangle

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



36.7015, 38.8719, 68.5194



43.0092, 38.8719, 58.8622



37.1927, 38.8719, 23.8360



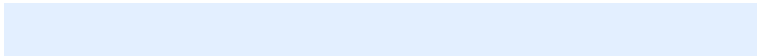
31.4823, 38.8719, 29.2173

Sweetspot

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



36.7028, 38.8734, 68.5203



80.6173, 85.3518, 106.8333



42.2283, 56.1543, 51.1562



16.9024, 17.9057, 22.8152



0.0000, 0.0000, 0.0000



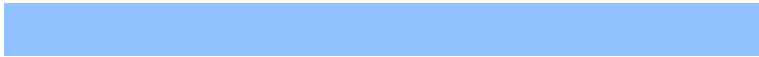
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7028, 38.8734, 68.5203



48.8504, 51.3948, 101.9532



31.9076, 28.3420, 66.7403



12.1817, 12.8869, 15.7829



9.7976, 7.8570, 39.4533



0.6724, 0.6368, 2.4068

Inverse Universe

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



43.6430, 34.9410, 42.4758



61.0404, 45.4665, 55.9887



54.6615, 62.9799, 32.9436



12.6449, 12.5095, 14.0704



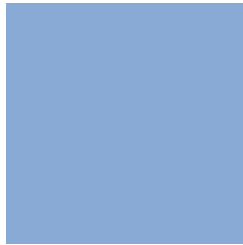
18.0042, 9.1380, 7.3264



1.1270, 0.5676, 0.6584

Previews

White Background



This preview shows how the XYZ color 36.7015, 38.8719, 68.5194 looks on a white background.

Color Contrast Check

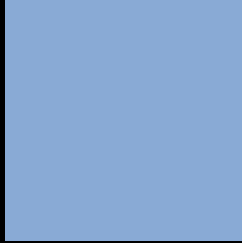
Large Text (above 18pt) WCAG AA × Fail

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 36.7015, 38.8719, 68.5194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

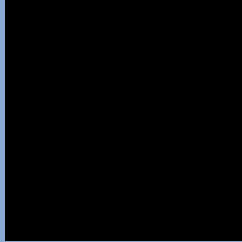
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

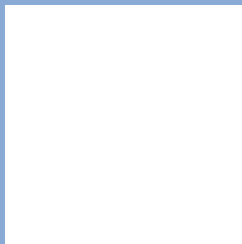
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7015, 38.8719, 68.5194

Background



This preview shows how black text looks on a background with the XYZ color 36.7015, 38.8719, 68.5194.



This preview shows how white text looks on a background with the XYZ color 36.7015, 38.8719,

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

36.7015, 38.8719, 68.5194

Protanopia

38.7983, 38.6313, 66.3845

Deuteranopia

39.5136, 38.6751, 69.0008



Tritanopia

33.5732, 38.7282, 53.2828

Trichromacy



Original Color

36.7015, 38.8719, 68.5194

Protanomaly

37.9710, 38.7301, 67.1024

Deuteranomaly

38.3515, 38.6115, 69.0498

Tritanomaly

34.6945, 38.9049, 58.5041

Monochromacy



Original Color

36.7015, 38.8719, 68.5194

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7798, 37.9834, 49.7017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7015, 38.8719, 68.5194 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(137, 170, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 170, 213)  
}
```

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(137, 170, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 170, 213) }
```

Border

The CSS property to change the border of an element to XYZ 36.7015, 38.8719, 68.5194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

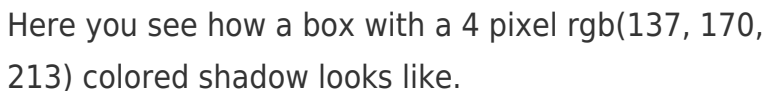
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 170, 213) }
```


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

```
.border{ border-color:rgb(137, 170, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 170, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 170, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 170, 213); box-shadow:4px 4px 4px 4px rgb(137, 170, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7015, 38.8719, 68.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 170, 213) }
```

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

```
.background{ background-color: rgb(137,  
170, 213) }
```

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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