

Converting Colors

XYZ(32.8195, 38.6341, 66.1162)

Have a look what the booklet for
XYZ(32.8195, 38.6341, 66.1162)
contains.

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Color

**XYZ(32.8597, 38.6574,
66.0513)**

Conversions

Conversions Part 1

Format	Color
Hex	69B0D1
RGB	105, 176, 209
RGB Percent	41%, 69%, 82%
CMY	0.5882, 0.3098, 0.1804
CMYK	0.50, 0.16, 0.00, 0.18
HSL	199°, 53%, 62%
HSV	199°, 50%, 82%
XYZ	32.8597, 38.6574, 66.0513
YIQ	158.5330, -52.9090, -4.7890

Conversions

Conversions Part 2

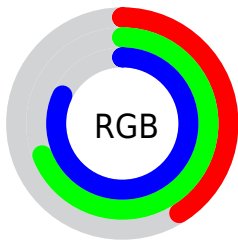
Format	Color
R _Y B	105, 147, 209
Decimal	6926545
CIE _{Lab}	68.50, -13.31, -23.61
CIE _{LCh}	69, 27.105, 240.587
Yxy	38.6574, 0.2389, 0.2810
Android (android.graphics.Color)	4285116625 (0xFF69B0D1)
YUV	158.5330, 24.8802, -46.9484
Hunter-Lab	62.1751, -14.4686, -19.4638

Details

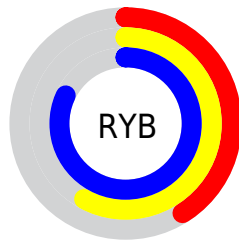
The XYZ color **32.8597, 38.6574, 66.0513** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **37.9338, 32.7534, 17.6887**, and the grayscale version is **32.6503, 34.3507, 37.4079**.

A 20% lighter version of the original color is **61.8069, 72.6146, 105.3662**, and **13.9979, 17.0569, 33.1264** is the 20% darker color. If you saturate the color by 10%, you get **29.4314, 35.0074, 65.5282**, and if you desaturate by 10%, it is **36.9572, 42.7483, 66.6257**.

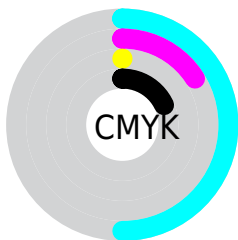
Distribution



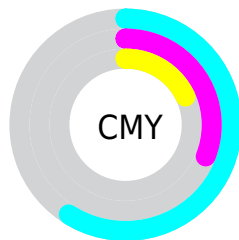
- Red (41%)
- Green (69%)
- Blue (82%)



- Red (41%)
- Yellow (58%)
- Blue (82%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8597, 38.6574, 66.0513 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 32.8597, 38.6574, 66.0513 by changing the saturation by 10% instead.

■ 32.8597, 38.6574,
66.0513

■ 32.8597, 38.6574,
66.0513

306.6932,
340.4317, 464.9695

■ 22.1777, 26.4933,
47.8573

■ 63.5126, 73.1146,
115.1877

■ 14.1049, 17.1931,
33.3547

■ 84.2142, 96.1766,
146.9671

■ 8.2758, 10.3722,
22.1250

■ 108.9863,
123.6400, 184.1121

■ 4.3252, 5.6464,
13.7496

■ 138.1944,
155.8891, 227.0412

■ 1.8877, 2.6313,
7.8099

172.2038,
193.3085, 276.1730

■ 0.5697, 0.9424,
3.8875

211.3798,

■ 0.0000, 0.0000,

236.2824, 331.9259

1.5639

256.0879,
285.1954, 394.7186

■ 0.0000, 0.0000,
0.2648

■ 0.0000, 0.0000,
0.0000

■ 32.8597, 38.6574,
66.0513

■ 32.8597, 38.6574,
66.0513

■ 29.4314, 35.0074,
65.5282

■ 36.9572, 42.7483,
66.6257

■ 26.6228, 31.7690,
65.0511

■ 41.7614, 47.2984,
67.2507

■ 24.3827, 28.9153,
64.6184

■ 47.3115, 52.3298,
67.9294

■ 22.6496, 26.4133,
64.2268

■ 53.6423, 57.8619,
68.6635

■ 21.3142, 24.2050,
63.8709

■ 60.7866, 63.9128,
69.4549

■ 21.2839, 24.1538,
63.8626

■ 68.7751, 70.4994,
70.3052

■ 77.6369, 77.6379,
71.2160

■ 80.7836, 81.9332,
71.8792

■ 82.6544, 85.6748,
72.5028

Harmonies

Analogous

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



30.1239, 38.6574, 55.2128



32.8597, 38.6574, 66.0513



36.8268, 38.6574, 70.2236

Triad

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



32.8597, 38.6574, 66.0513



45.5706, 38.6574, 41.8511



32.7248, 38.6574, 24.9338

Complementary

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



32.8597, 38.6574, 66.0513



37.9338, 32.7534, 17.6887

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.



36.6587, 38.6574, 22.6993



32.8597, 38.6574, 66.0513



44.2662, 38.6574, 31.2332

Square

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



32.8597, 38.6574, 66.0513



44.3615, 38.6574, 54.7147



40.9201, 38.6574, 24.7644



30.0504, 38.6574, 31.5762

Rectangle

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



32.8597, 38.6574, 66.0513



39.7032, 38.6574, 68.1360



40.9201, 38.6574, 24.7644



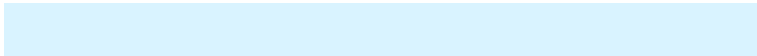
33.9331, 38.6574, 23.7070

Sweetspot

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



32.8610, 38.6589, 66.0522



78.6007, 85.9527, 107.0556



33.2099, 50.4382, 32.0061



16.3791, 18.0069, 22.8624



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.



32.8610, 38.6589, 66.0522



45.7099, 54.4056, 102.6999



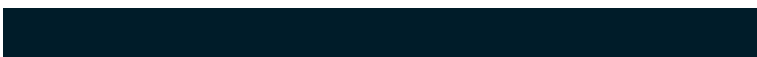
24.5516, 22.0402, 63.2824



11.8289, 12.7480, 15.0808



13.2150, 15.0765, 39.4061



0.8086, 0.9823, 2.2266

Inverse Universe

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



39.1836, 26.7944, 44.1824



57.1870, 35.2410, 62.4693



47.2443, 51.3743, 20.7922



12.1445, 11.9425, 14.0368



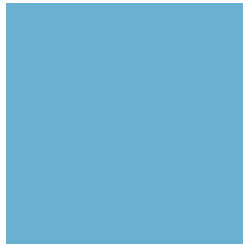
19.3010, 9.5933, 17.0233



1.1144, 0.5505, 1.1370

Previews

White Background



This preview shows how the XYZ color 32.8597, 38.6574, 66.0513 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 32.8597, 38.6574, 66.0513 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 32.8597, 38.6574, 66.0513

Background



This preview shows how black text looks on a background with the XYZ color 32.8597, 38.6574, 66.0513.

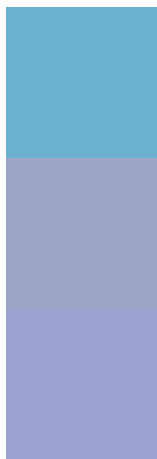


This preview shows how white text looks on a background with the XYZ color 32.8597, 38.6574,

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

32.8597, 38.6574, 66.0513

Protanopia

38.0983, 38.3964, 60.6616

Deuteranopia

39.2789, 38.3188, 67.6134



Tritanopia

31.0013, 38.7998, 56.3072

Trichromacy



Original Color

32.8597, 38.6574, 66.0513

Protanomaly

35.7345, 38.2245, 62.6214

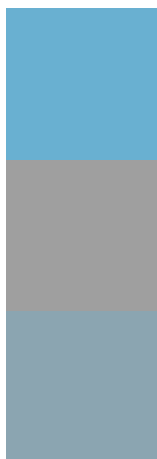
Deuteranomaly

36.4080, 38.1974, 67.0819

Tritanomaly

31.7087, 38.7891, 59.8486

Monochromacy



Original Color

32.8597, 38.6574, 66.0513

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0384, 35.5736, 46.7728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8597, 38.6574, 66.0513 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(105, 176, 209)` looks like.

```
.text, #text, p{  
    color:rgb(105, 176, 209)  
}
```

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(105, 176, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 176, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.8597, 38.6574, 66.0513 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(105, 176, 209) }
```


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

```
.border{ border-color:rgb(105, 176, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 176, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 176, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 176, 209); box-shadow:4px 4px 4px 4px rgb(105, 176, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8597, 38.6574, 66.0513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 176, 209) }
```

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

```
.background{ background-color: rgb(105,  
176, 209) }
```

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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