

Converting Colors

XYZ(32.8553, 39.2159, 64.8693)

Have a look what the booklet for
XYZ(32.8553, 39.2159, 64.8693)
contains.

XYZ(32.8918, 39.2888, 64.8814)	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(32.8918, 39.2888,
64.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	68B2CF
RGB	104, 178, 207
RGB Percent	41%, 70%, 81%
CMY	0.5921, 0.3020, 0.1882
CMYK	0.50, 0.14, 0.00, 0.19
HSL	197°, 52%, 61%
HSV	197°, 50%, 81%
XYZ	32.8918, 39.2888, 64.8814
YIQ	159.1800, -53.4130, -6.6690

Conversions

Conversions Part 2

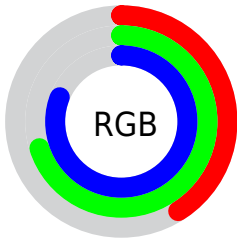
Format	Color
RYB	104, 147, 207
Decimal	6861519
CIELab	68.96, -15.17, -21.82
CIElCh	69, 26.573, 235.189
Yxy	39.2888, 0.2400, 0.2866
Android (android.graphics.Color)	4285051599 (0xFF68B2CF)
YUV	159.1800, 23.5753, -48.3929
Hunter-Lab	62.6808, -16.0233, -17.4950

Details

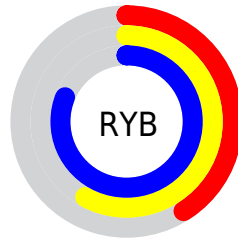
The XYZ color **32.8918, 39.2888, 64.8814** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.6194, 31.0411, 17.1595**, and the grayscale version is **32.9511, 34.6671, 37.7525**.

A 20% lighter version of the original color is **62.1708, 73.6427, 105.5455**, and **14.1221, 17.5026, 32.7710** is the 20% darker color. If you saturate the color by 10%, you get **29.6426, 35.9295, 64.4050**, and if you desaturate by 10%, it is **36.7824, 43.0536, 65.4037**.

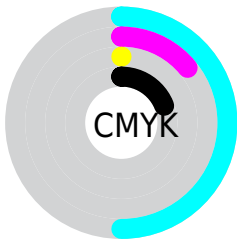
Distribution



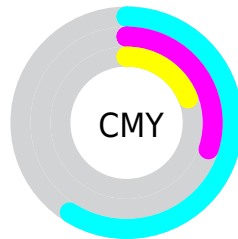
- Red (41%)
- Green (70%)
- Blue (81%)



- Red (41%)
- Yellow (58%)
- Blue (81%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8918, 39.2888, 64.8814 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 32.8918, 39.2888, 64.8814 by changing the saturation by 10% instead.

■ 32.8918, 39.2888,
64.8814

■ 32.8918, 39.2888,
64.8814

306.8355,
343.1168, 460.6602

■ 22.2024, 26.9845,
46.9142

■ 63.5624, 74.0793,
113.4910

■ 14.1231, 17.5616,
32.6140

■ 84.2743, 97.3343,
144.9704

■ 8.2886, 10.6357,
21.5622

■ 109.0577,
125.0082, 181.7910

■ 4.3335, 5.8224,
13.3403

■ 138.2780,
157.4856, 224.3713

■ 1.8925, 2.7374,
7.5298

172.3006,
195.1507, 273.1298

■ 0.5725, 0.9962,
3.7122

211.4908,

■ 0.0000, 0.0000,

238.3880, 328.4851

1.4688

256.2140,
287.5819, 390.8557

■ 0.0000, 0.0000,
0.1945

■ 0.0000, 0.0000,
0.0000

■ 32.8918, 39.2888,
64.8814

■ 32.8918, 39.2888,
64.8814

■ 29.6426, 35.9295,
64.4050

■ 36.7824, 43.0536,
65.4037

■ 26.9867, 32.9475,
63.9693

■ 41.3509, 47.2410,
65.9712

■ 24.8745, 30.3170,
63.5730

■ 46.6350, 51.8722,
66.5866

■ 23.2461, 28.0065,
63.2128

■ 52.6687, 56.9657,
67.2517

■ 21.9946, 25.9597,
62.8837

■ 59.4837, 62.5384,
67.9682

■ 21.9659, 25.9115,
62.8759

■ 67.1098, 68.6067,
68.7376

■ 75.5751, 75.1858,
69.5613

■ 79.3272, 79.4142,
70.1797

■ 80.9264, 82.6125,
70.7127

Harmonies

Analogous

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



30.4593, 39.2888, 53.4718



32.8918, 39.2888, 64.8814



36.6652, 39.2888, 70.4237

Triad

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



32.8918, 39.2888, 64.8814



46.0430, 39.2888, 44.7613



33.9889, 39.2888, 24.9809

Complementary

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



32.8918, 39.2888, 64.8814



36.6194, 31.0411, 17.1595

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.



38.0288, 39.2888, 23.5210



32.8918, 39.2888, 64.8814



45.1924, 39.2888, 33.6158

Square

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



32.8918, 39.2888, 64.8814



44.4225, 39.2888, 57.4930



42.1783, 39.2888, 26.3700



31.0584, 39.2888, 30.8173

Rectangle

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



32.8918, 39.2888, 64.8814



39.5134, 39.2888, 69.4091



42.1783, 39.2888, 26.3700



35.2533, 39.2888, 24.0151

Sweetspot

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



32.8931, 39.2903, 64.8823



79.0112, 86.7738, 107.1924



32.1513, 49.2210, 29.4464



16.4785, 18.2056, 22.8955



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.



32.8931, 39.2903, 64.8823



47.0538, 57.0933, 103.1479



24.6962, 22.8965, 62.1500



11.8653, 12.8210, 15.0930



13.9230, 16.4926, 39.6421



0.8438, 1.0528, 2.2383

Inverse Universe

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



38.7194, 26.3816, 45.1724



57.8653, 35.5123, 66.0413



45.1584, 48.1192, 20.0059



12.1629, 11.9499, 14.1338



19.6584, 9.7362, 18.9051



1.1322, 0.5576, 1.2307

Previews

White Background



This preview shows how the XYZ color 32.8918, 39.2888, 64.8814 looks on a white background.

Color Contrast Check

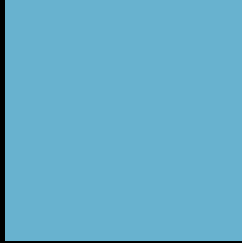
Large Text (above 18pt) WCAG AA × Fail

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 32.8918, 39.2888, 64.8814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

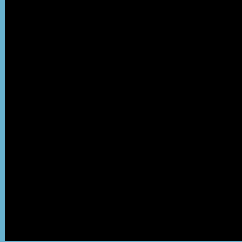
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8918, 39.2888, 64.8814

Background



This preview shows how black text looks on a background with the XYZ color 32.8918, 39.2888, 64.8814.



This preview shows how white text looks on a background with the XYZ color 32.8918, 39.2888,

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

32.8918, 39.2888, 64.8814

Protanopia

38.6430, 38.9730, 59.5187

Deuteranopia

39.8086, 38.8854, 66.3803



Tritanopia

31.4271, 39.2920, 57.5575

Trichromacy



Original Color

32.8918, 39.2888, 64.8814

Protanomaly

35.8506, 38.5892, 61.4360

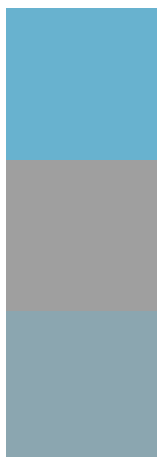
Deuteranomaly

36.6811, 38.6421, 65.8470

Tritanomaly

31.7957, 39.1304, 59.9099

Monochromacy



Original Color

32.8918, 39.2888, 64.8814

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1202, 35.8960, 46.3100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8918, 39.2888, 64.8814 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(104, 178, 207)` looks like.

```
.text, #text, p{  
    color:rgb(104, 178, 207)  
}
```

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(104, 178, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 178, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.8918, 39.2888, 64.8814 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(104, 178, 207) }
```


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

```
.border{ border-color:rgb(104, 178, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 178, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 178, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 178, 207);  
box-shadow:4px 4px 4px 4px rgb(104, 178,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8918, 39.2888, 64.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 178, 207) }
```

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

```
.background{ background-color: rgb(104,  
178, 207) }
```

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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