

Converting Colors

XYZ(32.3109, 39.1169, 60.5381)

Have a look what the booklet for
XYZ(32.3109, 39.1169, 60.5381)
contains.

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Color

**XYZ(32.2896, 39.0751,
60.4840)**

Conversions

Conversions Part 1

Format	Color
Hex	6AB2C8
RGB	106, 178, 200
RGB Percent	42%, 70%, 78%
CMY	0.5843, 0.3019, 0.2157
CMYK	0.47, 0.11, 0.00, 0.22
HSL	194°, 46%, 60%
HSV	194°, 47%, 78%
XYZ	32.2896, 39.0751, 60.4840
YIQ	158.9800, -49.9740, -8.4220

Conversions

Conversions Part 2

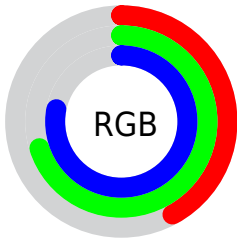
Format	Color
RYB	106, 147, 200
Decimal	6992584
CIELab	68.81, -16.66, -18.19
CIELCh	69, 24.668, 227.516
Yxy	39.0751, 0.2449, 0.2964
Android (android.graphics.Color)	4285182664 (0xFF6AB2C8)
YUV	158.9800, 20.2229, -46.4635
Hunter-Lab	62.5101, -17.1884, -13.6112

Details

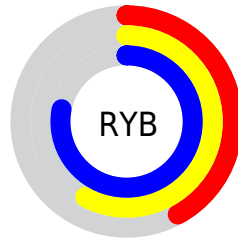
The XYZ color **32.2896, 39.0751, 60.4840** is a light color, and the websafe version is hex **669999**. A complement of this color would be **34.1410, 28.7592, 17.3885**, and the grayscale version is **32.8735, 34.5854, 37.6635**.

A 20% lighter version of the original color is **62.3731, 73.7470, 105.5549**, and **13.7408, 17.3709, 29.8228** is the 20% darker color. If you saturate the color by 10%, you get **29.2691, 36.1597, 60.0812**, and if you desaturate by 10%, it is **35.8986, 42.3427, 60.9252**.

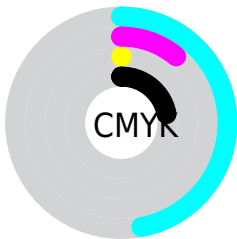
Distribution



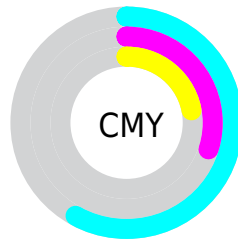
- Red (42%)
- Green (70%)
- Blue (78%)



- Red (42%)
- Yellow (58%)
- Blue (78%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2896, 39.0751, 60.4840 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 32.2896, 39.0751, 60.4840 by changing the saturation by 10% instead.

■ 32.2896, 39.0751,
60.4840

■ 32.2896, 39.0751,
60.4840

■ 304.1583,
342.2097, 444.2336

■ 21.7394, 26.8182,
43.3810

■ 62.6269, 73.7530,
107.0817

■ 13.7811, 17.4367,
29.8506

■ 83.1448, 96.9428,
137.4135

■ 8.0492, 10.5463,
19.4741

■ 107.7160,
124.5457, 172.9920

■ 4.1785, 5.7627,
11.8331

■ 136.7058,
156.9460, 214.2357

■ 1.8036, 2.7013,
6.5090

■ 170.4795,
194.5281, 261.5631

■ 0.5199, 0.9779,
3.0832

■ 209.4026,

■ 0.0000, 0.0000,

237.6765, 315.3929

1.1373

253.8404,
286.7756, 376.1435

■ 0.0000, 0.0000,
0.0000

■ 32.2896, 39.0751,
60.4840

■ 32.2896, 39.0751,
60.4840

■ 29.2691, 36.1597,
60.0812

■ 35.8986, 42.3427,
60.9252

■ 26.7939, 33.5714,
59.7120

■ 40.1280, 45.9770,
61.4038

■ 24.8208, 31.2881,
59.3753

■ 45.0118, 49.9967,
61.9222

■ 23.2980, 29.2826,
59.0685

■ 50.5803, 54.4179,
62.4821

■ 22.1554, 27.5186,
58.7882

■ 56.8619, 59.2557,
63.0848

■ 21.8486, 27.0164,
58.7074

■ 63.8833, 64.5242,
63.7317

■ 71.6699, 70.2371,
64.4240

■ 76.0802, 74.2597,
64.9680

■ 77.2925, 76.6843,
65.3721

Harmonies

Analogous

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



30.4211, 39.0751, 49.3619



32.2896, 39.0751, 60.4840



35.5380, 39.0751, 67.2235

Triad

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



32.2896, 39.0751, 60.4840



44.9751, 39.0751, 47.3725



34.9224, 39.0751, 25.1379

Complementary

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



32.2896, 39.0751, 60.4840



34.1410, 28.7592, 17.3885

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.



38.7888, 39.0751, 24.7948



32.2896, 39.0751, 60.4840



44.7812, 39.0751, 36.3886

Square

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



32.2896, 39.0751, 60.4840



42.9651, 39.0751, 58.8092



42.4527, 39.0751, 28.5598



31.8662, 39.0751, 29.5971

Rectangle

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



32.2896, 39.0751, 60.4840



38.1320, 39.0751, 67.6641



42.4527, 39.0751, 28.5598



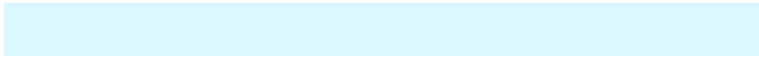
36.1648, 39.0751, 24.5694

Sweetspot

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



32.2908, 39.0766, 60.4849



80.5061, 88.6313, 107.4722



30.4911, 45.9304, 27.6587



16.7986, 18.6231, 22.9592



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.



32.2908, 39.0766, 60.4849



50.7675, 62.6978, 104.0339



24.4956, 23.4861, 57.8865



10.7282, 11.6305, 13.5970



13.9632, 17.3203, 37.3516



0.7138, 0.9253, 1.7861

Inverse Universe

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



37.0104, 25.8030, 45.1508



60.1849, 38.1440, 73.0031



41.7389, 43.9550, 19.9212



10.9728, 10.7725, 12.8402



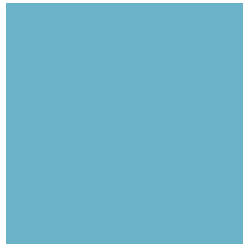
18.8473, 9.2885, 20.2036



0.9190, 0.4504, 1.0965

Previews

White Background



This preview shows how the XYZ color 32.2896, 39.0751, 60.4840 looks on a white background.

Color Contrast Check

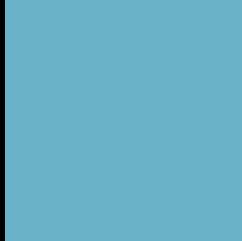
Large Text (above 18pt) WCAG AA × Fail

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 32.2896, 39.0751, 60.4840 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

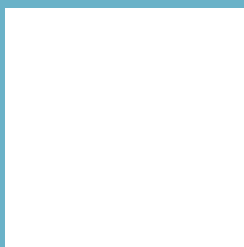
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2896, 39.0751, 60.4840

Background



This preview shows how black text looks on a background with the XYZ color 32.2896, 39.0751, 60.4840.



This preview shows how white text looks on a background with the XYZ color 32.2896, 39.0751,

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

32.2896, 39.0751, 60.4840

Protanopia

38.2549, 38.8647, 55.3546

Deuteranopia

39.3937, 38.5055, 61.8559



Tritanopia

31.5666, 39.0783, 56.9181

Trichromacy



Original Color

32.2896, 39.0751, 60.4840

Protanomaly

35.3804, 38.4404, 57.1847

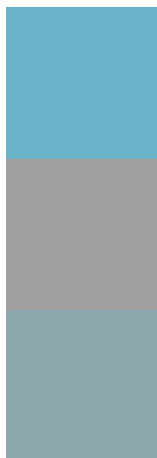
Deuteranomaly

36.1649, 38.1988, 61.3441

Tritanomaly

31.9096, 39.2290, 58.1147

Monochromacy



Original Color

32.2896, 39.0751, 60.4840

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0914, 35.9039, 45.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2896, 39.0751, 60.4840 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(106, 178, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 178, 200)  
}
```

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(106, 178, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 178, 200) }
```

Border

The CSS property to change the border of an element to XYZ 32.2896, 39.0751, 60.4840 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(106, 178, 200) }
```


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

```
.border{ border-color:rgb(106, 178, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 178, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 178, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 178, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 178,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2896, 39.0751, 60.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 178, 200) }
```

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

```
.background{ background-color: rgb(106,  
178, 200) }
```

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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