

Converting Colors

XYZ(17.3634, 20.4829, 49.2060)

Have a look what the booklet for
XYZ(17.3634, 20.4829, 49.2060)
contains.

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Color

**XYZ(17.2446, 20.3295,
48.9140)**

Conversions

Conversions Part 1

Format	Color
Hex	0885B9
RGB	8, 133, 185
RGB Percent	3%, 52%, 73%
CMY	0.9685, 0.4784, 0.2745
CMYK	0.96, 0.28, 0.00, 0.27
HSL	198°, 92%, 38%
HSV	198°, 96%, 73%
XYZ	17.2446, 20.3295, 48.9140
YIQ	101.5530, -91.1920, -10.3280

Conversions

Conversions Part 2

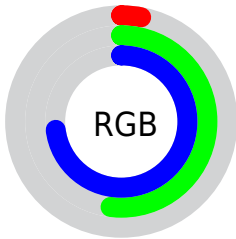
Format	Color
RYB	8, 81, 185
Decimal	558521
CIELab	52.21, -10.94, -35.58
CIELCh	52, 37.220, 252.905
Yxy	20.3295, 0.1994, 0.2351
Android (android.graphics.Color)	4278748601 (0xFF0885B9)
YUV	101.5530, 41.1394, -82.0460
Hunter-Lab	45.0882, -10.6347, -32.7590

Details

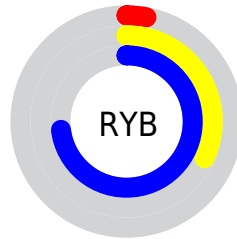
The XYZ color **17.2446, 20.3295, 48.9140** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.6693, 13.5670, 1.7073**, and the grayscale version is **12.4292, 13.0765, 14.2403**.

A 20% lighter version of the original color is **38.2600, 43.9555, 89.6868**, and **7.3352, 8.0066, 22.9886** is the 20% darker color. If you saturate the color by 10%, you get **16.8252, 19.6392, 48.8033**, and if you desaturate by 10%, it is **18.3482, 22.0323, 49.1849**.

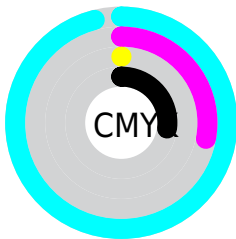
Distribution



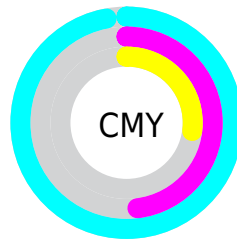
- Red (3%)
- Green (52%)
- Blue (73%)



- Red (3%)
- Yellow (32%)
- Blue (73%)



- Cyan (96%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)



- Cyan (97%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2446, 20.3295, 48.9140 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 17.2446, 20.3295, 48.9140 by changing the saturation by 10% instead.

■ 17.2446, 20.3295,
48.9140

■ 17.2446, 20.3295,
48.9140

■ 229.7069,
253.6933, 399.0164

■ 10.5054, 12.6348,
34.1861

■ 38.2861, 43.9689,
89.9434

■ 5.8002, 7.1775,
22.7581

■ 53.3192, 60.6824,
117.0820

■ 2.7634, 3.5734,
14.2114

■ 71.8475, 81.1710,
149.1946

■ 1.0299, 1.4379,
8.1274

■ 94.2366, 105.8190,
186.6997

■ 0.0000, 0.2444,
4.0876

■ 120.8517,
135.0108, 230.0159

■ 0.0000, 0.0000,
1.6735

■ 152.0582,

■ 0.0000, 0.0000,

169.1309, 279.5617

0.3425

188.2215,
208.5636, 335.7557

■ 0.0000, 0.0000,
0.0000

■ 17.2446, 20.3295,
48.9140

■ 17.2446, 20.3295,
48.9140

■ 16.8252, 19.6392,
48.8033

■ 18.3482, 22.0323,
49.1849

■ 19.7948, 23.9697,
49.4826

■ 21.6376, 26.1702,
49.8103

■ 23.9186, 28.6562,
50.1699

■ 26.6740, 31.4472,
50.5634

■ 29.9361, 34.5606,
50.9924

■ 33.7342, 38.0123,
51.4585

■ 38.0953, 41.8169,
51.9630

■ 43.0443, 45.9881,
52.5072

Harmonies

Analogous

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



14.4302, 20.3295, 39.7479



17.2446, 20.3295, 48.9140



21.0083, 20.3295, 49.5919

Triad

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



17.2446, 20.3295, 48.9140



27.3949, 20.3295, 17.7655



14.7448, 20.3295, 10.0337

Complementary

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



17.2446, 20.3295, 48.9140



21.6693, 13.5670, 1.7073

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.



17.7295, 20.3295, 7.3191



17.2446, 20.3295, 48.9140



25.2119, 20.3295, 10.6887

Square

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



17.2446, 20.3295, 48.9140



27.2200, 20.3295, 28.9063



21.5611, 20.3295, 7.5109



13.1227, 20.3295, 16.5141

Rectangle

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



17.2446, 20.3295, 48.9140



23.5897, 20.3295, 44.8851



21.5611, 20.3295, 7.5109



15.6038, 20.3295, 8.7633

Sweetspot

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



17.2453, 20.3302, 48.9145



57.7049, 65.6469, 91.8344



18.2178, 35.0573, 9.8328



11.8275, 13.5931, 19.7220



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.2453, 20.3302, 48.9145



29.9215, 34.7493, 87.3349



9.8493, 5.5381, 46.4492



9.0378, 9.7528, 11.4856



11.5218, 13.5034, 33.2522



0.4570, 0.5776, 1.1892

Inverse Universe

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



24.3287, 12.1823, 23.2601



43.0201, 21.3475, 39.5213



30.4323, 31.0931, 4.6283



9.2654, 9.1165, 10.7451



16.4294, 8.1455, 15.4137



0.6048, 0.2974, 0.6784

Previews

White Background



This preview shows how the XYZ color 17.2446, 20.3295, 48.9140 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2446, 20.3295, 48.9140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

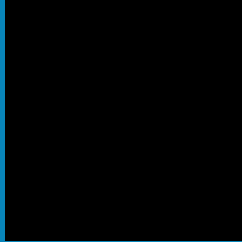
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2446, 20.3295, 48.9140

Background



This preview shows how black text looks on a background with the XYZ color 17.2446, 20.3295, 48.9140.

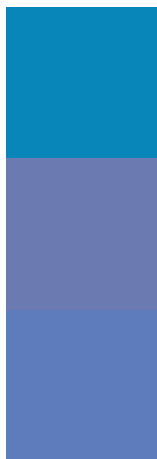


This preview shows how white text looks on a background with the XYZ color 17.2446, 20.3295,

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

17.2446, 20.3295, 48.9140

Protanopia

20.8594, 20.1795, 43.8699

Deuteranopia

20.6687, 20.1335, 49.8105



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

17.2446, 20.3295, 48.9140

Protanomaly

18.1961, 19.5160, 45.4557

Deuteranomaly

18.5022, 19.7807, 49.2973

Tritanomaly

15.2747, 20.2009, 36.8123

Monochromacy



Original Color

17.2446, 20.3295, 48.9140

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4539, 14.7051, 24.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2446, 20.3295, 48.9140 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(8, 133, 185)` looks like.

```
.text, #text, p{  
    color:rgb(8, 133, 185)  
}
```

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(8, 133, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 133, 185) }
```

Border

The CSS property to change the border of an element to XYZ 17.2446, 20.3295, 48.9140 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(8, 133, 185) }
```


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

```
.border{ border-color:rgb(8, 133, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 133, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 133, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 133, 185);  
box-shadow:4px 4px 4px 4px rgb(8, 133,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2446, 20.3295, 48.9140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 133, 185) }
```

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

```
.background{ background-color: rgb(8, 133,  
185) }
```

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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