

Converting Colors

XYZ(10.8656, 17.3073, 48.1848)

Have a look what the booklet for
XYZ(10.8656, 17.3073, 48.1848)
contains.

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Color

**XYZ(17.1768, 20.5109,
48.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	0086B8
RGB	0, 134, 184
RGB Percent	0%, 53%, 72%
CMY	0.9999, 0.4745, 0.2784
CMYK	1.00, 0.27, 0.00, 0.28
HSL	196°, 100%, 36%
HSV	196°, 100%, 72%
XYZ	17.1768, 20.5109, 48.4011
YIQ	99.6340, -95.9140, -12.8580

Conversions

Conversions Part 2

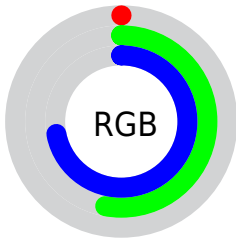
Format	Color
RYB	0, 78, 184
Decimal	34488
CIELab	52.41, -12.18, -34.69
CIELCh	52, 36.767, 250.646
Yxy	20.5109, 0.1995, 0.2383
Android (android.graphics.Color)	4278224568 (0xFF0086B8)
YUV	99.6340, 41.5924, -87.3790
Hunter-Lab	45.2890, -11.5558, -31.6620

Details

The XYZ color **17.1768, 20.5109, 48.4011** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.9095, 12.4745, 1.3067**, and the grayscale version is **11.9380, 12.5597, 13.6775**.

A 20% lighter version of the original color is **38.1146, 44.2116, 88.9629**, and **7.3452, 8.1357, 22.6559** is the 20% darker color. If you saturate the color by 10%, you get **17.1759, 20.5089, 48.4012**, and if you desaturate by 10%, it is **18.1424, 22.0595, 48.6495**.

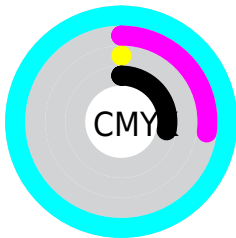
Distribution



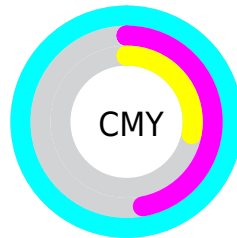
- Red (0%)
- Green (53%)
- Blue (72%)



- Red (0%)
- Yellow (31%)
- Blue (72%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1768, 20.5109, 48.4011 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 17.1768, 20.5109, 48.4011 by changing the saturation by 10% instead.

■ 17.1768, 20.5109,
48.4011

■ 17.1768, 20.5109,
48.4011

■ 229.3256,
254.6676, 396.9343

■ 10.4567, 12.7670,
33.7824

■ 38.1707, 44.2721,
89.1731

■ 5.7674, 7.2683,
22.4505

■ 53.1752, 61.0582,
116.1634

■ 2.7435, 3.6304,
13.9868

■ 71.6719, 81.6270,
148.1147

■ 1.0196, 1.4691,
7.9728

■ 94.0261, 106.3631,
185.4454

■ 0.0000, 0.2668,
3.9900

■ 120.6033,
135.6509, 228.5742

■ 0.0000, 0.0000,
1.6199

■ 151.7687,

■ 0.0000, 0.0000,

169.8746, 277.9196

0.3049

187.8876,
209.4187, 333.9001

■ 0.0000, 0.0000,
0.0000

■ 17.1768, 20.5109,
48.4011

■ 17.1768, 20.5109,
48.4011

■ 17.1759, 20.5089,
48.4012

■ 18.1424, 22.0595,
48.6495

■ 19.3825, 23.7985,
48.9198

■ 20.9882, 25.7757,
49.2169

■ 23.0041, 28.0149,
49.5428

■ 25.4679, 30.5360,
49.8996

■ 28.4129, 33.3568,
50.2888

■ 31.8691, 36.4935,
50.7121

■ 35.8640, 39.9606,
51.1708

■ 40.4229, 43.7719,
51.6662

Harmonies

Analogous

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



14.4689, 20.5109, 38.8865



17.1768, 20.5109, 48.4011



20.8735, 20.5109, 49.7885

Triad

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



17.1768, 20.5109, 48.4011



27.5760, 20.5109, 18.6924



15.1202, 20.5109, 9.9390

Complementary

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



17.1768, 20.5109, 48.4011



20.9095, 12.4745, 1.3067

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.



18.1785, 20.5109, 7.4534



17.1768, 20.5109, 48.4011



25.5680, 20.5109, 11.3041

Square

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



17.1768, 20.5109, 48.4011



27.2165, 20.5109, 29.9937



22.0129, 20.5109, 7.8553



13.3923, 20.5109, 16.1021

Rectangle

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



17.1768, 20.5109, 48.4011



23.4535, 20.5109, 45.5503



22.0129, 20.5109, 7.8553



16.0090, 20.5109, 8.7529

Sweetspot

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



17.1775, 20.5116, 48.4016



57.4216, 65.8437, 91.8873



17.6974, 34.5040, 8.6430



11.7934, 13.6692, 19.7384



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.



17.1775, 20.5116, 48.4016



30.9269, 36.7600, 87.6700



9.5146, 5.1857, 45.8473



9.0547, 9.7866, 11.4912



11.8985, 14.2566, 33.3778



0.4679, 0.5996, 1.1928

Inverse Universe

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



24.0709, 11.9124, 23.5855



43.5275, 21.5504, 42.1936



29.3035, 29.2624, 4.1047



9.2740, 9.1200, 10.7900



16.6195, 8.2216, 16.4149



0.6104, 0.2996, 0.7076

Previews

White Background



This preview shows how the XYZ color 17.1768, 20.5109, 48.4011 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 17.1768, 20.5109, 48.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

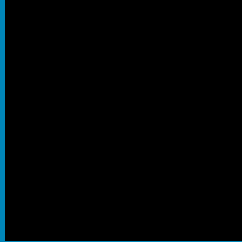
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.1768, 20.5109, 48.4011

Background



This preview shows how black text looks on a background with the XYZ color 17.1768, 20.5109, 48.4011.

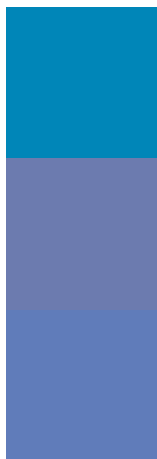


This preview shows how white text looks on a background with the XYZ color 17.1768, 20.5109,

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

17.1768, 20.5109, 48.4011

Protanopia

21.0052, 20.4492, 43.3974

Deuteranopia

20.8944, 20.4473, 49.2998



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

17.1768, 20.5109, 48.4011

Protanomaly

18.0795, 19.6583, 44.9610

Deuteranomaly

18.4006, 19.9332, 48.7766

Tritanomaly

15.4672, 20.5000, 37.3241

Monochromacy



Original Color

17.1768, 20.5109, 48.4011

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0053, 14.3170, 23.6034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1768, 20.5109, 48.4011 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(0, 134, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 184)  
}
```

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(0, 134, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 184) }
```

Border

The CSS property to change the border of an element to XYZ 17.1768, 20.5109, 48.4011 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(0, 134, 184) }
```


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

```
.border{ border-color:rgb(0, 134, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 134, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1768, 20.5109, 48.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 184) }
```

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

```
.background{ background-color: rgb(0, 134,  
184) }
```

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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