

Converting Colors

XYZ(15.4922, 20.0955, 48.5008)

Have a look what the booklet for
XYZ(15.4922, 20.0955, 48.5008)
contains.

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Color

**XYZ(17.4559, 21.0690,
48.4941)**

Conversions

Conversions Part 1

Format	Color
Hex	0088B8
RGB	0, 136, 184
RGB Percent	0%, 53%, 72%
CMY	0.9998, 0.4667, 0.2784
CMYK	1.00, 0.26, 0.00, 0.28
HSL	196°, 100%, 36%
HSV	196°, 100%, 72%
XYZ	17.4559, 21.0690, 48.4941
YIQ	100.8080, -96.4640, -13.9040

Conversions

Conversions Part 2

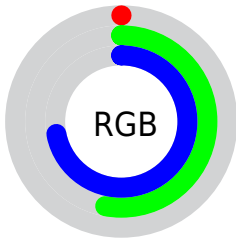
Format	Color
RYB	0, 78, 184
Decimal	35000
CIELab	53.02, -13.31, -33.73
CIELCh	53, 36.259, 248.461
Yxy	21.0690, 0.2006, 0.2421
Android (android.graphics.Color)	4278225080 (0xFF0088B8)
YUV	100.8080, 41.0137, -88.4086
Hunter-Lab	45.9010, -12.4441, -30.5088

Details

The XYZ color **17.4559, 21.0690, 48.4941** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.8261, 12.3075, 1.2790**, and the grayscale version is **12.2389, 12.8763, 14.0223**.

A 20% lighter version of the original color is **38.5419, 45.0661, 89.1053**, and **7.4245, 8.2943, 22.6824** is the 20% darker color. If you saturate the color by 10%, you get **17.4548, 21.0666, 48.4941**, and if you desaturate by 10%, it is **18.4053, 22.5851, 48.7371**.

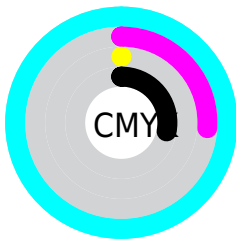
Distribution



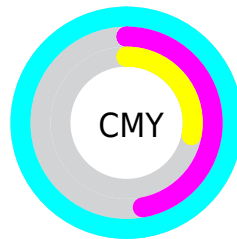
- Red (0%)
- Green (53%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4559, 21.0690, 48.4941 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 17.4559, 21.0690, 48.4941 by changing the saturation by 10% instead.

■ 17.4559, 21.0690,
48.4941

■ 17.4559, 21.0690,
48.4941

230.8914,
257.6450, 397.3124

■ 10.6574, 13.1744,
33.8556

■ 38.6454, 45.2023,
89.3128

■ 5.9025, 7.5488,
22.5062

■ 53.7670, 62.2099,
116.3301

■ 2.8260, 3.8076,
14.0275

■ 72.3938, 83.0240,
148.3107

■ 1.0624, 1.5665,
8.0008

■ 94.8910, 108.0289,
185.6731

■ 0.0000, 0.3349,
4.0077

■ 121.6240,
137.6090, 228.8360

■ 0.0000, 0.0000,
1.6296

■ 152.9582,

■ 0.0000, 0.0000,

172.1488, 278.2178

0.3118

189.2589,
212.0327, 334.2370

■ 0.0000, 0.0000,
0.0000

■ 17.4559, 21.0690,
48.4941

■ 17.4559, 21.0690,
48.4941

■ 17.4548, 21.0666,
48.4941

■ 18.4053, 22.5851,
48.7371

■ 19.6268, 24.2867,
49.0012

■ 21.2114, 26.2216,
49.2912

■ 23.2036, 28.4133,
49.6092

■ 25.6412, 30.8818,
49.9572

■ 28.5573, 33.6447,
50.3368

■ 31.9820, 36.7179,
50.7495

■ 35.9425, 40.1162,
51.1967

■ 40.4643, 43.8532,
51.6796

Harmonies

Analogous

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



14.8221, 21.0690, 38.6099



17.4559, 21.0690, 48.4941



21.1221, 21.0690, 50.5588

Triad

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



17.4559, 21.0690, 48.4941



28.1753, 21.0690, 19.9917



15.8081, 21.0690, 10.1272

Complementary

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



17.4559, 21.0690, 48.4941



20.8261, 12.3075, 1.2790

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.



18.9674, 21.0690, 7.8228



17.4559, 21.0690, 48.4941



26.3230, 21.0690, 12.2141

Square

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



17.4559, 21.0690, 48.4941



27.6369, 21.0690, 31.5321



22.8355, 21.0690, 8.4418



13.9581, 21.0690, 16.0713

Rectangle

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



17.4559, 21.0690, 48.4941



23.7211, 21.0690, 46.7533



22.8355, 21.0690, 8.4418



16.7351, 21.0690, 9.0032

Sweetspot

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



17.4567, 21.0697, 48.4946



57.6273, 66.2551, 91.9558



17.6348, 34.4790, 8.3134



11.8431, 13.7684, 19.7550



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.



17.4567, 21.0697, 48.4946



31.4369, 37.7801, 87.8400



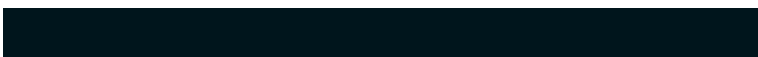
9.6304, 5.4172, 45.8859



9.0630, 9.8033, 11.4940



12.0893, 14.6383, 33.4414



0.4735, 0.6106, 1.1946

Inverse Universe

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



24.2118, 11.9689, 24.3272



43.7850, 21.6534, 43.5492



28.8575, 28.3704, 3.9562



9.2782, 9.1216, 10.8122



16.7158, 8.2601, 16.9221



0.6131, 0.3007, 0.7222

Previews

White Background



This preview shows how the XYZ color 17.4559, 21.0690, 48.4941 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 17.4559, 21.0690, 48.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

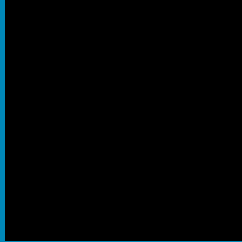
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4559, 21.0690, 48.4941

Background



This preview shows how black text looks on a background with the XYZ color 17.4559, 21.0690, 48.4941.

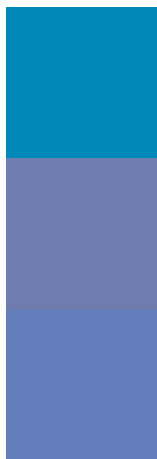


This preview shows how white text looks on a background with the XYZ color 17.4559, 21.0690,

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

17.4559, 21.0690, 48.4941

Protanopia

21.5011, 20.8900, 43.4564

Deuteranopia

21.5588, 20.9644, 49.9240



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

17.4559, 21.0690, 48.4941

Protanomaly

18.3536, 19.9923, 45.0110

Deuteranomaly

18.8275, 20.3357, 49.3872

Tritanomaly

15.8435, 21.1096, 37.8898

Monochromacy



Original Color

17.4559, 21.0690, 48.4941

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2284, 14.7633, 23.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4559, 21.0690, 48.4941 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, 136, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 184) }
```

Border

The CSS property to change the border of an element to XYZ 17.4559, 21.0690, 48.4941 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, 136, 184) }
```


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

```
.border{ border-color:rgb(0, 136, 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, 136, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4559, 21.0690, 48.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 184) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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