

Converting Colors

XYZ(17.7499, 21.2935, 49.7126)

Have a look what the booklet for
XYZ(17.7499, 21.2935, 49.7126)
contains.

XYZ(17.6671, 21.1535, 49.6063)	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(17.6671, 21.1535,
49.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	0088BA
RGB	0, 136, 186
RGB Percent	0%, 53%, 73%
CMY	0.9999, 0.4667, 0.2706
CMYK	1.00, 0.27, 0.00, 0.27
HSL	196°, 100%, 36%
HSV	196°, 100%, 73%
XYZ	17.6671, 21.1535, 49.6063
YIQ	101.0360, -97.1060, -13.2820

Conversions

Conversions Part 2

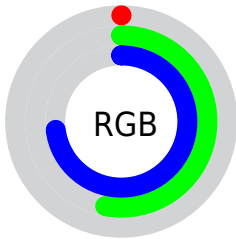
Format	Color
RYB	0, 79, 186
Decimal	35002
CIELab	53.12, -12.57, -34.73
CIElCh	53, 36.931, 250.105
Yxy	21.1535, 0.1998, 0.2392
Android (android.graphics.Color)	4278225082 (0xFF0088BA)
YUV	101.0360, 41.8873, -88.6086
Hunter-Lab	45.9929, -11.9211, -31.7530

Details

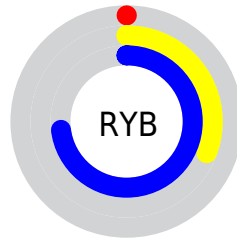
The XYZ color **17.6671, 21.1535, 49.6063** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.3923, 12.7237, 1.3295**, and the grayscale version is **12.2954, 12.9357, 14.0869**.

A 20% lighter version of the original color is **38.9439, 45.2389, 90.6838**, and **7.5614, 8.3490, 23.4033** is the 20% darker color. If you saturate the color by 10%, you get **17.6660, 21.1511, 49.6063**, and if you desaturate by 10%, it is **18.6498, 22.7305, 49.8593**.

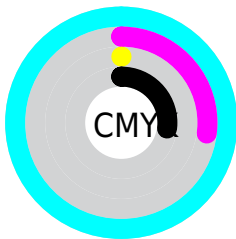
Distribution



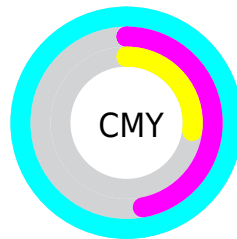
- Red (0%)
- Green (53%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6671, 21.1535, 49.6063 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 17.6671, 21.1535, 49.6063 by changing the saturation by 10% instead.

■ 17.6671, 21.1535,
49.6063

■ 17.6671, 21.1535,
49.6063

232.0700,
258.0931, 401.8152

■ 10.8095, 13.2363,
34.7317

■ 39.0038, 45.3429,
90.9816

■ 6.0052, 7.5914,
23.1744

■ 54.2136, 62.3838,
118.3193

■ 2.8889, 3.8346,
14.5158

■ 72.9381, 83.2347,
150.6485

■ 1.0953, 1.5815,
8.3374

■ 95.5428, 108.2800,
188.3877

■ 0.0212, 0.3451,
4.2208

■ 122.3930,
137.9041, 231.9554

■ 0.0000, 0.0000,
1.7472

■ 153.8540,

■ 0.0000, 0.0000,

172.4914, 281.7702

0.3928

190.2912,
212.4263, 338.2506

■ 0.0000, 0.0000,
0.0000

■ 17.6671, 21.1535,
49.6063

■ 17.6671, 21.1535,
49.6063

■ 17.6660, 21.1511,
49.6063

■ 18.6498, 22.7305,
49.8593

■ 19.9139, 24.5018,
50.1346

■ 21.5522, 26.5159,
50.4370

■ 23.6103, 28.7972,
50.7689

■ 26.1270, 31.3663,
51.1321

■ 29.1367, 34.2413,
51.5284

■ 32.6700, 37.4388,
51.9594

■ 36.7551, 40.9738,
52.4264

■ 41.4181, 44.8604,
52.9308

Harmonies

Analogous

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



14.9118, 21.1535, 39.7643



17.6671, 21.1535, 49.6063



21.4463, 21.1535, 51.2006

Triad

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



17.6671, 21.1535, 49.6063



28.4018, 21.1535, 19.4761



15.6635, 21.1535, 10.2294

Complementary

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



17.6671, 21.1535, 49.6063



21.3923, 12.7237, 1.3295

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.



18.8223, 21.1535, 7.7287



17.6671, 21.1535, 49.6063



26.3842, 21.1535, 11.8087

Square

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



17.6671, 21.1535, 49.6063



27.9880, 21.1535, 31.1154



22.7591, 21.1535, 8.1945



13.8626, 21.1535, 16.4868

Rectangle

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



17.6671, 21.1535, 49.6063



24.0942, 21.1535, 46.9687



22.7591, 21.1535, 8.1945



16.5837, 21.1535, 9.0300

Sweetspot

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



17.6679, 21.1542, 49.6068



58.8607, 67.5452, 94.1366



18.1273, 35.3455, 8.8426



12.3429, 14.3205, 20.6562



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.6679, 21.1542, 49.6068



31.8099, 37.9164, 89.8434



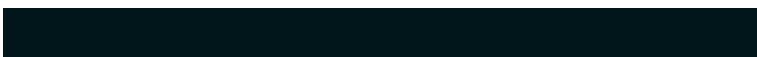
9.7431, 5.3046, 46.9652



9.0569, 9.7911, 11.4920



11.9494, 14.3584, 33.3947



0.4694, 0.6025, 1.1933

Inverse Universe

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



24.6944, 12.2176, 24.3498



44.6513, 22.1005, 43.5686



30.0141, 29.9672, 4.2034



9.2751, 9.1204, 10.7960



16.6452, 8.2318, 16.5501



0.6111, 0.2999, 0.7115

Previews

White Background



This preview shows how the XYZ color 17.6671, 21.1535, 49.6063 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 17.6671, 21.1535, 49.6063 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

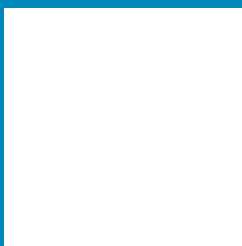
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6671, 21.1535, 49.6063

Background



This preview shows how black text looks on a background with the XYZ color 17.6671, 21.1535, 49.6063.

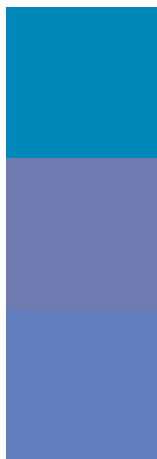


This preview shows how white text looks on a background with the XYZ color 17.6671, 21.1535,

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

17.6671, 21.1535, 49.6063

Protanopia

21.5739, 20.9046, 44.4929

Deuteranopia

21.5750, 21.1492, 50.5220



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

17.6671, 21.1535, 49.6063

Protanomaly

18.4832, 20.0357, 46.0731

Deuteranomaly

18.9389, 20.5773, 49.9873

Tritanomaly

15.9335, 21.1456, 38.3637

Monochromacy



Original Color

17.6671, 21.1535, 49.6063

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2965, 14.7906, 24.0366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6671, 21.1535, 49.6063 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.6671, 21.1535, 49.6063 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, 186) }
```


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

```
.border{ border-color:rgb(0, 136, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6671, 21.1535, 49.6063 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, 186) }
```

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

```
.background{ background-color: rgb(0, 136,  
186) }
```

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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