

Converting Colors

XYZ(8.3460, 16.4646, 46.2471)

Have a look what the booklet for
XYZ(8.3460, 16.4646, 46.2471)
contains.

XYZ(17.1446, 20.9445, 46.8551)	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(17.1446, 20.9445,
46.8551)**

Conversions

Conversions Part 1

Format	Color
Hex	0088B5
RGB	0, 136, 181
RGB Percent	0%, 53%, 71%
CMY	0.9999, 0.4667, 0.2902
CMYK	1.00, 0.25, 0.00, 0.29
HSL	195°, 100%, 35%
HSV	195°, 100%, 71%
XYZ	17.1446, 20.9445, 46.8551
YIQ	100.4660, -95.5010, -14.8370

Conversions

Conversions Part 2

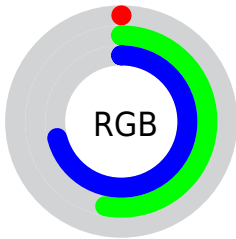
Format	Color
RYB	0, 78, 181
Decimal	34997
CIELab	52.89, -14.42, -32.22
CIELCh	53, 35.303, 245.883
Yxy	20.9445, 0.2018, 0.2466
Android (android.graphics.Color)	4278225077 (0xFF0088B5)
YUV	100.4660, 39.7033, -88.1087
Hunter-Lab	45.7652, -13.2191, -28.6664

Details

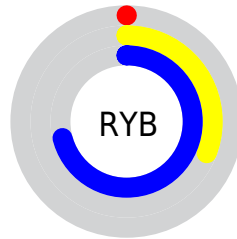
The XYZ color **17.1446, 20.9445, 46.8551** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.9959, 11.7030, 1.2059**, and the grayscale version is **12.1539, 12.7869, 13.9249**.

A 20% lighter version of the original color is **37.9979, 44.8368, 86.7724**, and **7.2241, 8.2141, 21.6268** is the 20% darker color. If you saturate the color by 10%, you get **17.1439, 20.9428, 46.8552**, and if you desaturate by 10%, it is **18.0441, 22.3694, 47.0832**.

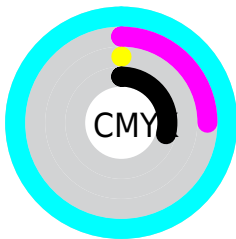
Distribution



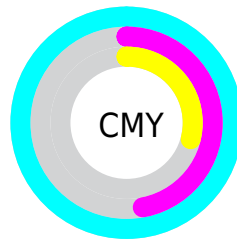
- Red (0%)
- Green (53%)
- Blue (71%)



- Red (0%)
- Yellow (31%)
- Blue (71%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1446, 20.9445, 46.8551 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 17.1446, 20.9445, 46.8551 by changing the saturation by 10% instead.

■ 17.1446, 20.9445,
46.8551

■ 17.1446, 20.9445,
46.8551

■ 229.1443,
256.9834, 390.6129

■ 10.4336, 13.0834,
32.5676

■ 38.1158, 44.9951,
86.8450

■ 5.7518, 7.4860,
21.5270

■ 53.1068, 61.9535,
113.3845

■ 2.7340, 3.7679,
13.3148

■ 71.5884, 82.7131,
144.8450

■ 1.0147, 1.5446,
7.5124

■ 93.9261, 107.6584,
181.6452

■ 0.0000, 0.3198,
3.7013

■ 120.4852,
137.1736, 224.2035

■ 0.0000, 0.0000,
1.4629

■ 151.6310,

■ 0.0000, 0.0000,

171.6433, 272.9386

0.1901

187.7289,
211.4517, 328.2688

■ 0.0000, 0.0000,
0.0000

■ 17.1446, 20.9445,
46.8551

■ 17.1446, 20.9445,
46.8551

■ 17.1439, 20.9428,
46.8552

■ 18.0441, 22.3694,
47.0832

■ 19.2021, 23.9672,
47.3305

■ 20.7071, 25.7843,
47.6020

■ 22.6017, 27.8432,
47.8995

■ 24.9221, 30.1630,
48.2250

■ 27.7003, 32.7606,
48.5799

■ 30.9648, 35.6511,
48.9658

■ 34.7419, 38.8485,
49.3839

■ 39.0560, 42.3658,
49.8354

Harmonies

Analogous

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



14.6907, 20.9445, 36.9210



17.1446, 20.9445, 46.8551



20.6438, 20.9445, 49.6026

Triad

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



17.1446, 20.9445, 46.8551



27.8383, 20.9445, 20.7835



16.0287, 20.9445, 9.9786

Complementary

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



17.1446, 20.9445, 46.8551



19.9959, 11.7030, 1.2059

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.



19.1882, 20.9445, 7.9685



17.1446, 20.9445, 46.8551



26.2318, 20.9445, 12.8420

Square

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



17.1446, 20.9445, 46.8551



27.1163, 20.9445, 32.1637



22.9515, 20.9445, 8.8248



14.1044, 20.9445, 15.4645

Rectangle

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



17.1446, 20.9445, 46.8551



23.1703, 20.9445, 46.4282



22.9515, 20.9445, 8.8248



16.9656, 20.9445, 8.9663

Sweetspot

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



17.1453, 20.9452, 46.8556



55.1315, 63.5681, 87.6587



16.9470, 33.2173, 7.7331



11.3727, 13.2639, 18.8830



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.1453, 20.9452, 46.8556



30.5151, 37.1299, 83.8531



9.4098, 5.4741, 44.2771



8.5602, 9.2665, 10.8438



11.8754, 14.5513, 32.3198



0.4165, 0.5435, 1.0312

Inverse Universe

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



23.5006, 11.6021, 24.2940



41.9918, 20.7393, 43.0019



27.4087, 26.5285, 3.6768



8.7579, 8.6099, 10.2237



16.2288, 8.0091, 16.8968



0.5322, 0.2606, 0.6455

Previews

White Background



This preview shows how the XYZ color 17.1446, 20.9445, 46.8551 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 17.1446, 20.9445, 46.8551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

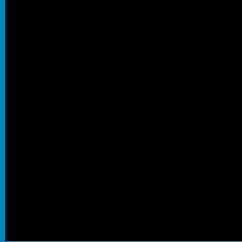
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.1446, 20.9445, 46.8551

Background



This preview shows how black text looks on a background with the XYZ color 17.1446, 20.9445, 46.8551.

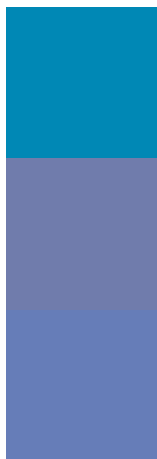


This preview shows how white text looks on a background with the XYZ color 17.1446, 20.9445,

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

17.1446, 20.9445, 46.8551

Protanopia

21.3361, 20.8386, 41.9274

Deuteranopia

21.4648, 20.9527, 48.2604



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

17.1446, 20.9445, 46.8551

Protanomaly

18.0556, 19.8731, 43.4417

Deuteranomaly

18.5775, 20.2432, 47.7279

Tritanomaly

15.6656, 21.0384, 36.9534

Monochromacy



Original Color

17.1446, 20.9445, 46.8551

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9819, 14.4852, 22.9333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1446, 20.9445, 46.8551 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.1446, 20.9445, 46.8551 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, 181) }
```


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

```
.border{ border-color:rgb(0, 136, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1446, 20.9445, 46.8551 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, 181) }
```

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

```
.background{ background-color: rgb(0, 136,  
181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor