

Converting Colors

XYZ(9.4357, 18.2205, 45.7621)

Have a look what the booklet for
XYZ(9.4357, 18.2205, 45.7621)
contains.

XYZ(17.8097, 22.6007, 46.0715)	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(17.8097, 22.6007,
46.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	008EB3
RGB	0, 142, 179
RGB Percent	0%, 56%, 70%
CMY	0.9999, 0.4431, 0.2980
CMYK	1.00, 0.21, 0.00, 0.30
HSL	192°, 100%, 35%
HSV	192°, 100%, 70%
XYZ	17.8097, 22.6007, 46.0715
YIQ	103.7600, -96.5090, -18.5970

Conversions

Conversions Part 2

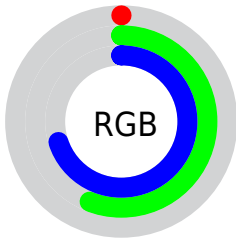
Format	Color
RYB	0, 79, 179
Decimal	36531
CIELab	54.66, -18.45, -28.32
CIELCh	55, 33.801, 236.924
Yxy	22.6007, 0.2059, 0.2613
Android (android.graphics.Color)	4278226611 (0xFF008EB3)
YUV	103.7600, 37.0933, -90.9975
Hunter-Lab	47.5402, -16.3249, -24.1802

Details

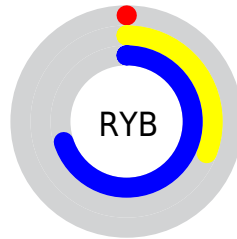
The XYZ color **17.8097, 22.6007, 46.0715** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.2534, 10.9091, 1.0919**, and the grayscale version is **13.0197, 13.6977, 14.9168**.

A 20% lighter version of the original color is **39.3514, 47.8577, 85.7607**, and **7.5930, 9.1607, 21.1066** is the 20% darker color. If you saturate the color by 10%, you get **17.8090, 22.5991, 46.0717**, and if you desaturate by 10%, it is **18.6181, 23.8488, 46.2703**.

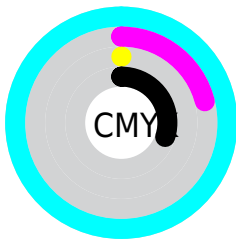
Distribution



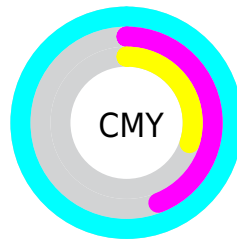
- Red (0%)
- Green (56%)
- Blue (70%)



- Red (0%)
- Yellow (31%)
- Blue (70%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8097, 22.6007, 46.0715 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 17.8097, 22.6007, 46.0715 by changing the saturation by 10% instead.

■ 17.8097, 22.6007,
46.0715

■ 17.8097, 22.6007,
46.0715

■ 232.8626,
265.6674, 387.3820

■ 10.9123, 14.2989,
31.9532

■ 39.2454, 47.7368,
85.6614

■ 6.0748, 8.3289,
21.0612

■ 54.5145, 65.3400,
111.9701

■ 2.9317, 4.3061,
12.9771

■ 73.3048, 86.8125,
143.1792

■ 1.1177, 1.8462,
7.2822

■ 95.9817, 112.5386,
179.7075

■ 0.0399, 0.5157,
3.5581

■ 122.9106,
142.9027, 221.9734

■ 0.0000, 0.0000,
1.3862

■ 154.4568,

■ 0.0000, 0.0000,

178.2893, 270.3954

0.1309

190.9857,
219.0827, 325.3920

■ 0.0000, 0.0000,
0.0000

■ 17.8097, 22.6007,
46.0715

■ 17.8097, 22.6007,
46.0715

■ 17.8090, 22.5991,
46.0717

■ 18.6181, 23.8488,
46.2703

■ 19.6699, 25.2495,
46.4852

■ 21.0521, 26.8481,
46.7209

■ 22.8060, 28.6662,
46.9794

■ 24.9667, 30.7222,
47.2623

■ 27.5650, 33.0321,
47.5713

■ 30.6286, 35.6106,
47.9075

■ 34.1831, 38.4710,
48.2723

■ 38.2520, 41.6257,
48.6667

Harmonies

Analogous

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



15.7147, 22.6007, 35.0972



17.8097, 22.6007, 46.0715



21.0998, 22.6007, 51.2517

Triad

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



17.8097, 22.6007, 46.0715



29.4437, 22.6007, 25.7239



18.4028, 22.6007, 10.4909

Complementary

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



17.8097, 22.6007, 46.0715



19.2534, 10.9091, 1.0919

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.



21.8674, 22.6007, 9.2983



17.8097, 22.6007, 46.0715



28.5099, 22.6007, 16.4499

Square

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



17.8097, 22.6007, 46.0715



28.0489, 22.6007, 37.5649



25.6257, 22.6007, 11.1259



16.0283, 22.6007, 15.0370

Rectangle

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



17.8097, 22.6007, 46.0715



23.6313, 22.6007, 49.8658



25.6257, 22.6007, 11.1259



19.4658, 22.6007, 9.7537

Sweetspot

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



17.8105, 22.6015, 46.0721



54.5442, 63.5216, 85.7673



16.4365, 32.3671, 7.0365



11.5587, 13.6359, 18.9450



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.



17.8105, 22.6015, 46.0721



31.7290, 40.1418, 82.4570



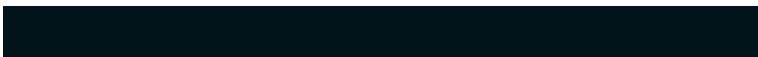
9.4436, 5.8677, 43.2831



8.5905, 9.3273, 10.8539



12.6321, 16.0645, 32.5720



0.4351, 0.5808, 1.0374

Inverse Universe

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



23.4736, 11.5376, 26.5817



41.9547, 20.6281, 47.1598



25.9639, 24.3300, 3.3287



8.7733, 8.6160, 10.3045



16.6107, 8.1619, 18.9080



0.5417, 0.2644, 0.6950

Previews

White Background



This preview shows how the XYZ color 17.8097, 22.6007, 46.0715 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 17.8097, 22.6007, 46.0715 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 17.8097, 22.6007, 46.0715

Background



This preview shows how black text looks on a background with the XYZ color 17.8097, 22.6007, 46.0715.

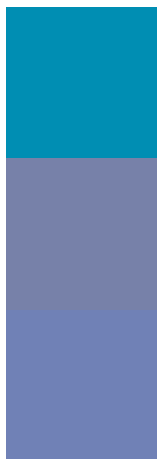


This preview shows how white text looks on a background with the XYZ color 17.8097, 22.6007,

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

17.8097, 22.6007, 46.0715

Protanopia

22.6194, 22.4870, 40.6844

Deuteranopia

22.9758, 22.5227, 47.3923



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

17.8097, 22.6007, 46.0715

Protanomaly

19.0484, 21.6038, 42.7012

Deuteranomaly

19.4641, 21.7260, 46.8837

Tritanomaly

16.6741, 22.6269, 38.6106

Monochromacy



Original Color

17.8097, 22.6007, 46.0715

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8219, 15.7538, 23.8377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8097, 22.6007, 46.0715 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, 142, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 179)  
}
```

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, 142, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.8097, 22.6007, 46.0715 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, 142, 179) }
```


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

```
.border{ border-color:rgb(0, 142, 179) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8097, 22.6007, 46.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 179) }
```

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

```
.background{ background-color: rgb(0, 142,  
179) }
```

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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