

Converting Colors

XYZ(17.9636, 22.9893, 45.8742)

Have a look what the booklet for
XYZ(17.9636, 22.9893, 45.8742)
contains.

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Color

**XYZ(17.9591, 22.8996,
46.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	008FB3
RGB	0, 143, 179
RGB Percent	0%, 56%, 70%
CMY	0.9999, 0.4392, 0.2980
CMYK	1.00, 0.20, 0.00, 0.30
HSL	192°, 100%, 35%
HSV	192°, 100%, 70%
XYZ	17.9591, 22.8996, 46.1213
YIQ	104.3470, -96.7840, -19.1200

Conversions

Conversions Part 2

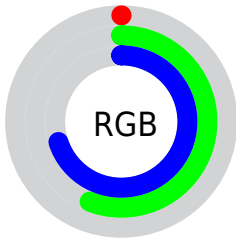
Format	Color
RYB	0, 79, 179
Decimal	36787
CIELab	54.97, -18.99, -27.84
CIELCh	55, 33.700, 235.710
Yxy	22.8996, 0.2065, 0.2633
Android (android.graphics.Color)	4278226867 (0xFF008FB3)
YUV	104.3470, 36.8039, -91.5123
Hunter-Lab	47.8535, -16.7538, -23.6463

Details

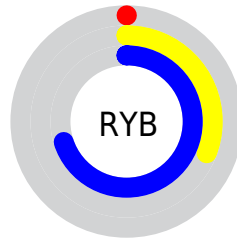
The XYZ color **17.9591, 22.8996, 46.1213** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.2225, 10.8474, 1.0815**, and the grayscale version is **13.1767, 13.8629, 15.0967**.

A 20% lighter version of the original color is **39.5777, 48.3103, 85.8361**, and **7.6802, 9.3351, 21.1357** is the 20% darker color. If you saturate the color by 10%, you get **17.9586, 22.8984, 46.1216**, and if you desaturate by 10%, it is **18.7569, 24.1266, 46.3166**.

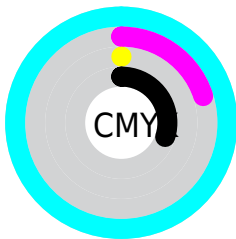
Distribution



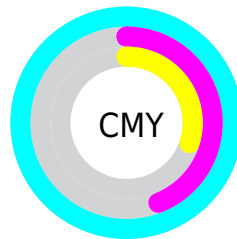
- Red (0%)
- Green (56%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9591, 22.8996, 46.1213 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 17.9591, 22.8996, 46.1213 by changing the saturation by 10% instead.

■ 17.9591, 22.8996,
46.1213

■ 17.9591, 22.8996,
46.1213

■ 233.6905,
267.2089, 387.5878

■ 11.0201, 14.5194,
31.9922

■ 39.4982, 48.2284,
85.7367

■ 6.1478, 8.4828,
21.0908

■ 54.8291, 65.9458,
112.0601

■ 2.9767, 4.4054,
12.9985

■ 73.6881, 87.5444,
143.2853

■ 1.1414, 1.9028,
7.2968

■ 96.4404, 113.4086,
179.8309

■ 0.0594, 0.5501,
3.5671

■ 123.4514,
143.9227, 222.1154

■ 0.0000, 0.0000,
1.3910

■ 155.0865,

■ 0.0000, 0.0000,

179.4712, 270.5574

0.1347

191.7111,
220.4385, 325.5753

■ 0.0000, 0.0000,
0.0000

■ 17.9591, 22.8996,
46.1213

■ 17.9591, 22.8996,
46.1213

■ 17.9586, 22.8984,
46.1216

■ 18.7569, 24.1266,
46.3166

■ 19.7972, 25.5042,
46.5276

■ 21.1668, 27.0779,
46.7592

■ 22.9072, 28.8691,
47.0132

■ 25.0533, 30.8962,
47.2913

■ 27.6360, 33.1752,
47.5951

■ 30.6831, 35.7208,
47.9259

■ 34.2200, 38.5462,
48.2848

■ 38.2703, 41.6637,
48.6731

Harmonies

Analogous

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



15.9062, 22.8996, 34.9813



17.9591, 22.8996, 46.1213



21.2317, 22.8996, 51.6360

Triad

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



17.9591, 22.8996, 46.1213



29.7555, 22.8996, 26.5068



18.7915, 22.8996, 10.5971

Complementary

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



17.9591, 22.8996, 46.1213



19.2225, 10.8474, 1.0815

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.



22.3079, 22.8996, 9.5158



17.9591, 22.8996, 46.1213



28.9112, 22.8996, 17.0218

Square

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



17.9591, 22.8996, 46.1213



28.2659, 22.8996, 38.4341



26.0747, 22.8996, 11.4923



16.3468, 22.8996, 15.0351

Rectangle

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



17.9591, 22.8996, 46.1213



23.7718, 22.8996, 50.4880



26.0747, 22.8996, 11.4923



19.8751, 22.8996, 9.8953

Sweetspot

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



17.9599, 22.9004, 46.1219



54.6451, 63.7234, 85.8009



16.4364, 32.3670, 7.0362



11.5838, 13.6861, 18.9534



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.



17.9599, 22.9004, 46.1219



32.0000, 40.6839, 82.5474



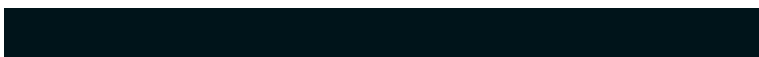
9.4434, 5.8674, 43.2830



8.5946, 9.3354, 10.8553



12.7370, 16.2743, 32.6069



0.4377, 0.5859, 1.0383

Inverse Universe

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



23.5490, 11.5677, 26.9790



42.0915, 20.6828, 47.8802



25.9636, 24.3296, 3.3285



8.7753, 8.6168, 10.3153



16.6637, 8.1830, 19.1867



0.5429, 0.2649, 0.7018

Previews

White Background



This preview shows how the XYZ color 17.9591, 22.8996, 46.1213 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 17.9591, 22.8996, 46.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

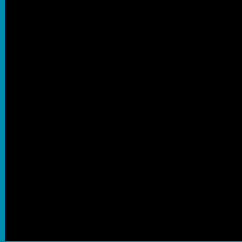
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9591, 22.8996, 46.1213

Background



This preview shows how black text looks on a background with the XYZ color 17.9591, 22.8996, 46.1213.

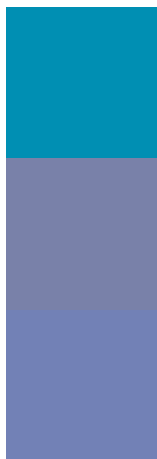


This preview shows how white text looks on a background with the XYZ color 17.9591, 22.8996,

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

17.9591, 22.8996, 46.1213

Protanopia

22.8968, 22.6300, 40.6974

Deuteranopia

23.2332, 22.6553, 47.4044



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

17.9591, 22.8996, 46.1213

Protanomaly

19.1285, 21.6451, 42.7049

Deuteranomaly

19.6132, 21.8029, 46.8907

Tritanomaly

16.9169, 22.9674, 39.1388

Monochromacy



Original Color

17.9591, 22.8996, 46.1213

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 17.9591, 22.8996, 46.1213 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, 143, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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, 143, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.9591, 22.8996, 46.1213 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, 143, 179) }
```


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

```
.border{ border-color:rgb(0, 143, 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, 143, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9591, 22.8996, 46.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 179) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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