

Converting Colors

XYZ(15.9945, 21.3593, 44.5969)

Have a look what the booklet for
XYZ(15.9945, 21.3593, 44.5969)
contains.

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Color

**XYZ(17.2146, 21.8908,
44.3923)**

Conversions

Conversions Part 1

Format	Color
Hex	008CB0
RGB	0, 140, 176
RGB Percent	0%, 55%, 69%
CMY	0.9999, 0.4510, 0.3098
CMYK	1.00, 0.20, 0.00, 0.31
HSL	192°, 100%, 35%
HSV	192°, 100%, 69%
XYZ	17.2146, 21.8908, 44.3923
YIQ	102.2440, -94.9960, -18.4840

Conversions

Conversions Part 2

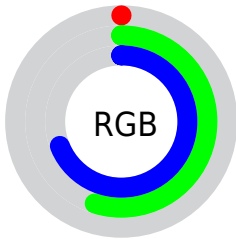
Format	Color
RYB	0, 78, 176
Decimal	36016
CIELab	53.91, -18.45, -27.77
CIELCh	54, 33.335, 236.401
Yxy	21.8908, 0.2062, 0.2622
Android (android.graphics.Color)	4278226096 (0xFF008CB0)
YUV	102.2440, 36.3617, -89.6680
Hunter-Lab	46.7876, -16.2027, -23.5033

Details

The XYZ color **17.2146, 21.8908, 44.3923** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.5368, 10.4941, 1.0496**, and the grayscale version is **12.6218, 13.2791, 14.4610**.

A 20% lighter version of the original color is **38.3715, 46.7369, 83.3427**, and **7.2313, 8.7424, 20.0452** is the 20% darker color. If you saturate the color by 10%, you get **17.2138, 21.8892, 44.3925**, and if you desaturate by 10%, it is **17.9924, 23.0860, 44.5825**.

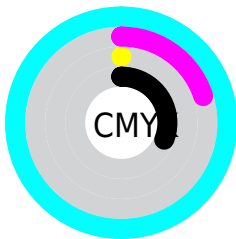
Distribution



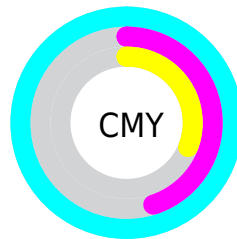
- Red (0%)
- Green (55%)
- Blue (69%)



- Red (0%)
- Yellow (31%)
- Blue (69%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2146, 21.8908, 44.3923 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 17.2146, 21.8908, 44.3923 by changing the saturation by 10% instead.

■ 17.2146, 21.8908,
44.3923

■ 17.2146, 21.8908,
44.3923

■ 229.5382,
261.9755, 380.3949

■ 10.4839, 13.7767,
30.6396

■ 38.2350, 46.5654,
83.1165

■ 5.7857, 7.9655,
20.0684

■ 53.2555, 63.8948,
108.9251

■ 2.7546, 4.0729,
12.2602

■ 71.7698, 85.0646,
139.5893

■ 1.0254, 1.7144,
6.7965

■ 94.1435, 110.4594,
175.5278

■ 0.0000, 0.4330,
3.2586

■ 120.7418,
140.4634, 217.1590

■ 0.0000, 0.0000,
1.2282

■ 151.9301,

■ 0.0000, 0.0000,

175.4612, 264.9016

0.0018

188.0738,
215.8371, 319.1740

■ 0.0000, 0.0000,
0.0000

■ 17.2146, 21.8908,
44.3923

■ 17.2146, 21.8908,
44.3923

■ 17.2138, 21.8892,
44.3925

■ 17.9924, 23.0860,
44.5825

■ 19.0031, 24.4268,
44.7880

■ 20.3312, 25.9572,
45.0134

■ 22.0164, 27.6979,
45.2605

■ 24.0922, 29.6665,
45.5311

■ 26.5883, 31.8785,
45.8265

■ 29.5312, 34.3478,
46.1480

■ 32.9454, 37.0872,
46.4968

■ 36.8534, 40.1085,
46.8740

Harmonies

Analogous

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



15.2143, 21.8908, 33.7540



17.2146, 21.8908, 44.3923



20.3761, 21.8908, 49.5203

Triad

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



17.2146, 21.8908, 44.3923



28.4867, 21.8908, 25.0985



17.8848, 21.8908, 10.1479

Complementary

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



17.2146, 21.8908, 44.3923



18.5368, 10.4941, 1.0496

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.



21.2431, 21.8908, 9.0453



17.2146, 21.8908, 44.3923



27.6244, 21.8908, 16.0793

Square

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



17.2146, 21.8908, 44.3923



27.1041, 21.8908, 36.5389



24.8663, 21.8908, 10.8668



15.5689, 21.8908, 14.4814

Rectangle

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



17.2146, 21.8908, 44.3923



22.8177, 21.8908, 48.2841



24.8663, 21.8908, 10.8668



18.9172, 21.8908, 9.4525

Sweetspot

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



17.2154, 21.8916, 44.3928



53.2465, 62.0382, 83.6635



15.8327, 31.1739, 6.7907



11.0461, 13.0355, 18.0782



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.2154, 21.8916, 44.3928



31.0534, 39.3662, 80.4571



9.1022, 5.6652, 41.6885



8.5921, 9.3304, 10.8544



12.6724, 16.1452, 32.5854



0.4361, 0.5827, 1.0377

Inverse Universe

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



22.6388, 11.1245, 25.7657



40.9732, 20.1405, 46.2819



25.0141, 23.4487, 3.2087



8.7741, 8.6163, 10.3086



16.6311, 8.1700, 19.0152



0.5421, 0.2646, 0.6976

Previews

White Background



This preview shows how the XYZ color 17.2146, 21.8908, 44.3923 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 17.2146, 21.8908, 44.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

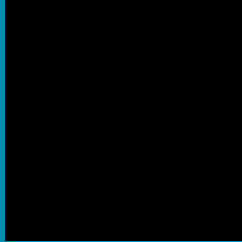
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2146, 21.8908, 44.3923

Background



This preview shows how black text looks on a background with the XYZ color 17.2146, 21.8908, 44.3923.

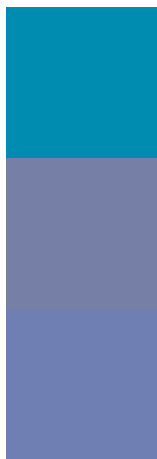


This preview shows how white text looks on a background with the XYZ color 17.2146, 21.8908,

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

17.2146, 21.8908, 44.3923

Protanopia

21.9435, 21.7835, 39.1245

Deuteranopia

22.2816, 21.8129, 45.6838



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

17.2146, 21.8908, 44.3923

Protanomaly

18.4086, 20.9007, 41.0942

Deuteranomaly

18.8857, 21.0565, 45.1884

Tritanomaly

16.1946, 21.9546, 37.5665

Monochromacy



Original Color

17.2146, 21.8908, 44.3923

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3878, 15.1996, 23.0498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2146, 21.8908, 44.3923 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, 140, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 176)  
}
```

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, 140, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 176) }
```

Border

The CSS property to change the border of an element to XYZ 17.2146, 21.8908, 44.3923 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, 140, 176) }
```


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

```
.border{ border-color:rgb(0, 140, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2146, 21.8908, 44.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 176) }
```

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

```
.background{ background-color: rgb(0, 140,  
176) }
```

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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