

Converting Colors

XYZ(12.8476, 19.2331, 45.1643)

Have a look what the booklet for
XYZ(12.8476, 19.2331, 45.1643)
contains.

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Color

**XYZ(17.1244, 21.3913,
45.3459)**

Conversions

Conversions Part 1

Format	Color
Hex	008AB2
RGB	0, 138, 178
RGB Percent	0%, 54%, 70%
CMY	0.9999, 0.4588, 0.3020
CMYK	1.00, 0.22, 0.00, 0.30
HSL	193°, 100%, 35%
HSV	193°, 100%, 70%
XYZ	17.1244, 21.3913, 45.3459
YIQ	101.2980, -95.0880, -16.8160

Conversions

Conversions Part 2

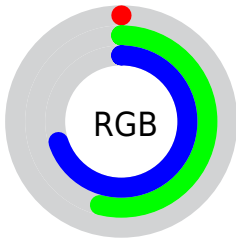
Format	Color
RYB	0, 78, 178
Decimal	35506
CIELab	53.38, -16.63, -29.74
CIElCh	53, 34.078, 240.787
Yxy	21.3913, 0.2042, 0.2551
Android (android.graphics.Color)	4278225586 (0xFF008AB2)
YUV	101.2980, 37.8141, -88.8383
Hunter-Lab	46.2507, -14.8489, -25.7546

Details

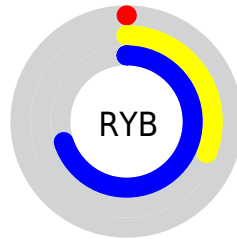
The XYZ color **17.1244, 21.3913, 45.3459** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.1206, 10.9853, 1.1137**, and the grayscale version is **12.3727, 13.0170, 14.1755**.

A 20% lighter version of the original color is **38.2151, 45.9669, 84.7003**, and **7.1914, 8.4601, 20.6560** is the 20% darker color. If you saturate the color by 10%, you get **17.1234, 21.3893, 45.3460**, and if you desaturate by 10%, it is **17.9558, 22.6881, 45.5528**.

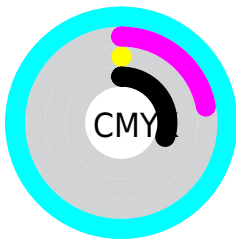
Distribution



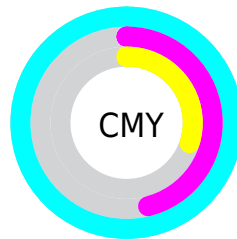
- Red (0%)
- Green (54%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1244, 21.3913, 45.3459 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 17.1244, 21.3913, 45.3459 by changing the saturation by 10% instead.

■ 17.1244, 21.3913,
45.3459

■ 17.1244, 21.3913,
45.3459

■ 229.0305,
259.3508, 384.3736

■ 10.4191, 13.4103,
31.3850

■ 38.0814, 45.7379,
84.5632

■ 5.7421, 7.7117,
20.6313

■ 53.0639, 62.8722,
110.6567

■ 2.7281, 3.9110,
12.6662

■ 71.5360, 83.8266,
141.6314

■ 1.0116, 1.6239,
7.0710

■ 93.8633, 108.9852,
177.9060

■ 0.0000, 0.3736,
3.4275

■ 120.4110,
138.7325, 219.8990

■ 0.0000, 0.0000,
1.3168

■ 151.5446,

■ 0.0000, 0.0000,

173.4530, 268.0289

0.0755

187.6293,
213.5309, 322.7142

■ 0.0000, 0.0000,
0.0000

■ 17.1244, 21.3913,
45.3459

■ 17.1244, 21.3913,
45.3459

■ 17.1234, 21.3893,
45.3460

■ 17.9558, 22.6881,
45.5528

■ 19.0303, 24.1417,
45.7768

■ 20.4343, 25.7972,
46.0223

■ 22.2084, 27.6758,
46.2914

■ 24.3873, 29.7957,
46.5858

■ 27.0014, 32.1731,
46.9069

■ 30.0783, 34.8222,
47.2560

■ 33.6430, 37.7565,
47.6345

■ 37.7187, 40.9881,
48.0435

Harmonies

Analogous

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



14.9258, 21.3913, 35.0392



17.1244, 21.3913, 45.3459



20.4274, 21.3913, 49.4064

Triad

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



17.1244, 21.3913, 45.3459



28.1044, 21.3913, 23.0192



16.9774, 21.3913, 10.0337

Complementary

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



17.1244, 21.3913, 45.3459



19.1206, 10.9853, 1.1137

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.



20.2365, 21.3913, 8.5180



17.1244, 21.3913, 45.3459



26.9071, 21.3913, 14.5156

Square

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



17.1244, 21.3913, 45.3459



27.0223, 21.3913, 34.4213



23.9166, 21.3913, 9.8786



14.8482, 21.3913, 14.8638

Rectangle

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



17.1244, 21.3913, 45.3459



22.8998, 21.3913, 47.3008



23.9166, 21.3913, 9.8786



17.9633, 21.3913, 9.1970

Sweetspot

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



17.1251, 21.3920, 45.3464



54.2207, 62.8746, 85.6595



16.2806, 31.9852, 7.2003



11.4783, 13.4750, 18.9182



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.



17.1251, 21.3920, 45.3464



30.8724, 38.4287, 82.1715



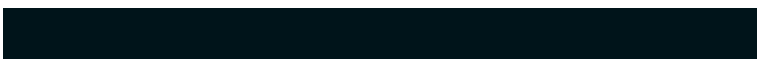
9.1969, 5.5355, 42.7037



8.5775, 9.3011, 10.8495



12.3004, 15.4012, 32.4614



0.4270, 0.5645, 1.0347

Inverse Universe

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



22.9483, 11.3009, 25.0171



41.5224, 20.4551, 44.8831



26.0248, 24.7937, 3.4151



8.7667, 8.6134, 10.2697



16.4433, 8.0949, 18.0264



0.5376, 0.2628, 0.6735

Previews

White Background



This preview shows how the XYZ color 17.1244, 21.3913, 45.3459 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 17.1244, 21.3913, 45.3459 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 17.1244, 21.3913, 45.3459

Background



This preview shows how black text looks on a background with the XYZ color 17.1244, 21.3913, 45.3459.

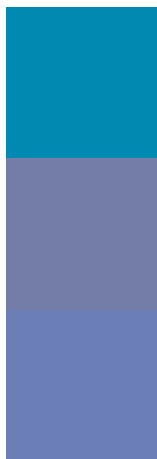


This preview shows how white text looks on a background with the XYZ color 17.1244, 21.3913,

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

17.1244, 21.3913, 45.3459

Protanopia

21.4717, 21.1392, 39.9944

Deuteranopia

21.8647, 21.3837, 46.6911



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

17.1244, 21.3913, 45.3459

Protanomaly

18.1767, 20.3603, 42.0016

Deuteranomaly

18.6047, 20.4895, 46.1543

Tritanomaly

15.8111, 21.3294, 37.0019

Monochromacy



Original Color

17.1244, 21.3913, 45.3459

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0941, 14.7096, 22.9707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1244, 21.3913, 45.3459 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, 138, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 178)  
}
```

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, 138, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 178) }
```

Border

The CSS property to change the border of an element to XYZ 17.1244, 21.3913, 45.3459 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, 138, 178) }
```


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

```
.border{ border-color:rgb(0, 138, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1244, 21.3913, 45.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 178) }
```

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

```
.background{ background-color: rgb(0, 138,  
178) }
```

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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