

Converting Colors

XYZ(17.7587, 22.8192, 45.0476)

Have a look what the booklet for
XYZ(17.7587, 22.8192, 45.0476)
contains.

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Color

**XYZ(17.7583, 22.8192,
45.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	008FB1
RGB	0, 143, 177
RGB Percent	0%, 56%, 69%
CMY	0.9998, 0.4392, 0.3059
CMYK	1.00, 0.19, 0.00, 0.31
HSL	192°, 100%, 35%
HSV	192°, 100%, 69%
XYZ	17.7583, 22.8192, 45.0636
YIQ	104.1190, -96.1420, -19.7420

Conversions

Conversions Part 2

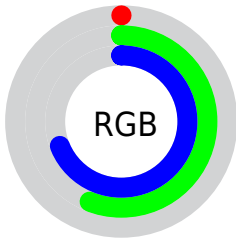
Format	Color
RYB	0, 79, 177
Decimal	36785
CIELab	54.89, -19.70, -26.83
CIElCh	55, 33.285, 233.710
Yxy	22.8192, 0.2074, 0.2665
Android (android.graphics.Color)	4278226865 (0xFF008FB1)
YUV	104.1190, 35.9303, -91.3124
Hunter-Lab	47.7694, -17.2391, -22.4930

Details

The XYZ color **17.7583, 22.8192, 45.0636** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.7050, 10.4935, 1.0407**, and the grayscale version is **13.1185, 13.8017, 15.0300**.

A 20% lighter version of the original color is **39.1884, 48.1429, 84.3178**, and **7.4652, 9.1095, 20.4336** is the 20% darker color. If you saturate the color by 10%, you get **17.7575, 22.8175, 45.0638**, and if you desaturate by 10%, it is **18.5215, 23.9825, 45.2484**.

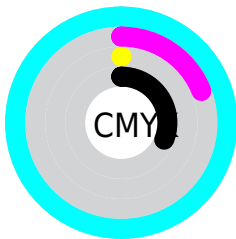
Distribution



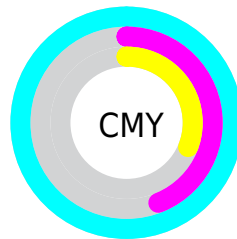
- Red (0%)
- Green (56%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7583, 22.8192, 45.0636 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 17.7583, 22.8192, 45.0636 by changing the saturation by 10% instead.

■ 17.7583, 22.8192,
45.0636

■ 17.7583, 22.8192,
45.0636

232.5772,
266.7950, 383.1987

■ 10.8752, 14.4601,
31.1642

■ 39.1584, 48.0963,
84.1353

■ 6.0497, 8.4413,
20.4644

■ 54.4061, 65.7830,
110.1447

■ 2.9163, 4.3786,
12.5457

■ 73.1727, 87.3477,
141.0278

■ 1.1096, 1.8875,
6.9894

■ 95.8236, 113.1749,
177.2033

■ 0.0332, 0.5409,
3.3771

■ 122.7242,
143.6487, 219.0895

■ 0.0000, 0.0000,
1.2903

■ 154.2397,

■ 0.0000, 0.0000,

179.1538, 267.1052

0.0538

190.7356,
220.0744, 321.6687

■ 0.0000, 0.0000,
0.0000

■ 17.7583, 22.8192,
45.0636

■ 17.7583, 22.8192,
45.0636

■ 17.7575, 22.8175,
45.0638

■ 18.5215, 23.9825,
45.2484

■ 19.5189, 25.2892,
45.4480

■ 20.8360, 26.7842,
45.6672

■ 22.5127, 28.4881,
45.9077

■ 24.5833, 30.4188,
46.1712

■ 27.0775, 32.5918,
46.4592

■ 30.0225, 35.0214,
46.7729

■ 33.4430, 37.7204,
47.1136

■ 37.3617, 40.7007,
47.4823

Harmonies

Analogous

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



15.8248, 22.8192, 33.9357



17.7583, 22.8192, 45.0636



20.9216, 22.8192, 50.9795

Triad

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



17.7583, 22.8192, 45.0636



29.5250, 22.8192, 27.1374



18.9618, 22.8192, 10.5090

Complementary

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



17.7583, 22.8192, 45.0636



18.7050, 10.4935, 1.0407

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.



22.4749, 22.8192, 9.6376



17.7583, 22.8192, 45.0636



28.8478, 22.8192, 17.5447

Square

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



17.7583, 22.8192, 45.0636



27.9187, 22.8192, 38.9023



26.1606, 22.8192, 11.8127



16.4626, 22.8192, 14.6637

Rectangle

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



17.7583, 22.8192, 45.0636



23.4127, 22.8192, 50.2464



26.1606, 22.8192, 11.8127



20.0520, 22.8192, 9.8823

Sweetspot

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



17.7591, 22.8200, 45.0642



53.4659, 62.4771, 83.7366



15.9901, 31.5518, 6.6484



11.0995, 13.1423, 18.0960



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.



17.7591, 22.8200, 45.0642



31.6470, 40.5535, 80.6549



9.3543, 6.0104, 42.2626



8.6012, 9.3485, 10.8574



12.9080, 16.6163, 32.6639



0.4418, 0.5941, 1.0396

Inverse Universe

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



23.0901, 11.3313, 26.9574



41.2728, 20.2604, 47.8597



24.9647, 23.0130, 3.1273



8.7786, 8.6182, 10.3327



16.7500, 8.2176, 19.6412



0.5450, 0.2658, 0.7128

Previews

White Background



This preview shows how the XYZ color 17.7583, 22.8192, 45.0636 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 17.7583, 22.8192, 45.0636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

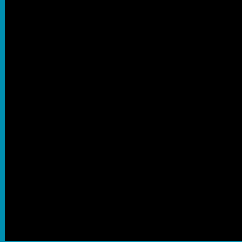
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7583, 22.8192, 45.0636

Background



This preview shows how black text looks on a background with the XYZ color 17.7583, 22.8192, 45.0636.

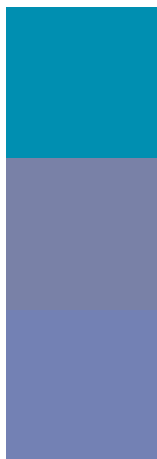


This preview shows how white text looks on a background with the XYZ color 17.7583, 22.8192,

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

17.7583, 22.8192, 45.0636

Protanopia

22.7105, 22.5555, 39.7159

Deuteranopia

23.1587, 22.6406, 46.3295



Tritanopia

16.2112, 22.6851, 35.4225

Trichromacy



Original Color

17.7583, 22.8192, 45.0636

Protanomaly

18.9364, 21.5682, 41.6931

Deuteranomaly

19.4094, 21.7213, 45.8175

Tritanomaly

16.6741, 22.6269, 38.6106

Monochromacy



Original Color

17.7583, 22.8192, 45.0636

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 17.7583, 22.8192, 45.0636 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 177) }
```

Border

The CSS property to change the border of an element to XYZ 17.7583, 22.8192, 45.0636 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, 177) }
```


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

```
.border{ border-color:rgb(0, 143, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7583, 22.8192, 45.0636 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, 177) }
```

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

```
.background{ background-color: rgb(0, 143,  
177) }
```

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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