

Converting Colors

XYZ(17.8972, 23.6638, 43.3627)

Have a look what the booklet for
XYZ(17.8972, 23.6638, 43.3627)
contains.

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Color

**XYZ(17.8217, 23.5749,
43.1463)**

Conversions

Conversions Part 1

Format	Color
Hex	0092AD
RGB	0, 146, 173
RGB Percent	0%, 57%, 68%
CMY	0.9999, 0.4274, 0.3216
CMYK	1.00, 0.16, 0.00, 0.32
HSL	189°, 100%, 34%
HSV	189°, 100%, 68%
XYZ	17.8217, 23.5749, 43.1463
YIQ	105.4240, -95.6830, -22.5550

Conversions

Conversions Part 2

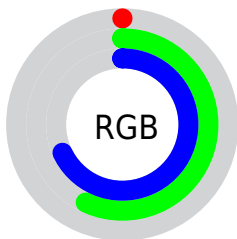
Format	Color
RYB	0, 79, 173
Decimal	37549
CIELab	55.66, -22.70, -23.35
CIELCh	56, 32.563, 225.812
Yxy	23.5749, 0.2108, 0.2789
Android (android.graphics.Color)	4278227629 (0xFF0092AD)
YUV	105.4240, 33.3150, -92.4568
Hunter-Lab	48.5540, -19.4512, -18.6988

Details

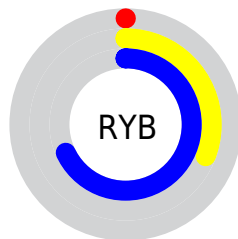
The XYZ color **17.8217, 23.5749, 43.1463** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.6266, 9.6696, 0.9383**, and the grayscale version is **13.4760, 14.1778, 15.4396**.

A 20% lighter version of the original color is **39.3113, 49.2929, 81.5713**, and **7.5434, 9.5649, 19.5378** is the 20% darker color. If you saturate the color by 10%, you get **17.8214, 23.5741, 43.1466**, and if you desaturate by 10%, it is **18.4804, 24.5402, 43.2984**.

Distribution



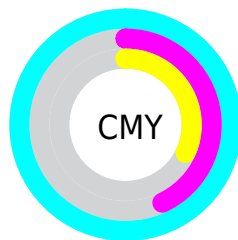
- Red (0%)
- Green (57%)
- Blue (68%)



- Red (0%)
- Yellow (31%)
- Blue (68%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (43%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8217, 23.5749, 43.1463 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 17.8217, 23.5749, 43.1463 by changing the saturation by 10% instead.

■ 17.8217, 23.5749,
43.1463

■ 17.8217, 23.5749,
43.1463

■ 232.9292,
270.6642, 375.1520

■ 10.9210, 15.0186,
29.6677

■ 39.2657, 49.3356,
81.2203

■ 6.0806, 8.8324,
19.3366

■ 54.5398, 67.3088,
106.6528

■ 2.9353, 4.6320,
11.7345

■ 73.3356, 89.1897,
136.9069

■ 1.1196, 2.0330,
6.4428

■ 96.0186, 115.3627,
172.4013

■ 0.0414, 0.6266,
3.0430

■ 122.9541,
146.2123, 213.5545

■ 0.0000, 0.0000,
1.1167

■ 154.5074,

■ 0.0000, 0.0000,

182.1228, 260.7849

0.0000

191.0440,
223.4787, 314.5112

■ 17.8217, 23.5749,
43.1463

■ 17.8217, 23.5749,
43.1463

■ 17.8214, 23.5741,
43.1466

■ 18.4804, 24.5402,
43.2984

■ 19.3551, 25.6311,
43.4628

■ 20.5281, 26.8906,
43.6441

■ 22.0373, 28.3383,
43.8440

■ 23.9147, 29.9908,
44.0640

■ 26.1886, 31.8628,
44.3055

■ 28.8844, 33.9674,
44.5697

■ 32.0254, 36.3169,
44.8576

■ 35.6333, 38.9224,
45.1703

Harmonies

Analogous

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



16.2568, 23.5749, 31.6061



17.8217, 23.5749, 43.1463



20.7147, 23.5749, 50.8023

Triad

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



17.8217, 23.5749, 43.1463



30.0041, 23.5749, 30.9720



20.5311, 23.5749, 10.6744

Complementary

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



17.8217, 23.5749, 43.1463



17.6266, 9.6696, 0.9383

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.



24.1895, 23.5749, 10.5917



17.8217, 23.5749, 43.1463



29.9409, 23.5749, 20.5264

Square

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



17.8217, 23.5749, 43.1463



27.8827, 23.5749, 42.5737



27.7187, 23.5749, 13.6927



17.7000, 23.5749, 13.9621

Rectangle

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



17.8217, 23.5749, 43.1463



23.1326, 23.5749, 51.6181



27.7187, 23.5749, 13.6927



21.6972, 23.5749, 10.3089

Sweetspot

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



17.8225, 23.5757, 43.1469



51.4484, 60.6182, 79.7946



15.1303, 29.9622, 5.9617



10.7372, 12.8311, 17.2984



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.8225, 23.5757, 43.1469



31.7869, 41.9596, 77.2294



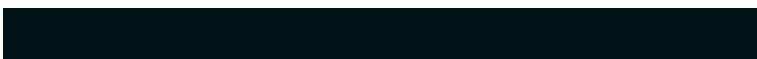
9.1892, 6.3091, 40.2691



8.1283, 8.8559, 10.2337



13.1263, 17.3866, 31.7086



0.3933, 0.5399, 0.8915

Inverse Universe

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



22.4226, 10.9604, 28.1287



40.0905, 19.6016, 50.0274



23.0792, 20.5748, 2.7558



8.2826, 8.1263, 9.7987



16.4892, 8.0582, 20.7535



0.4729, 0.2299, 0.6521

Previews

White Background



This preview shows how the XYZ color 17.8217, 23.5749, 43.1463 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 17.8217, 23.5749, 43.1463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

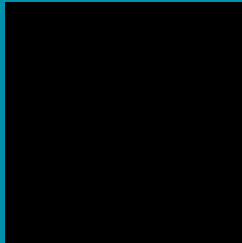
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8217, 23.5749, 43.1463

Background



This preview shows how black text looks on a background with the XYZ color 17.8217, 23.5749, 43.1463.

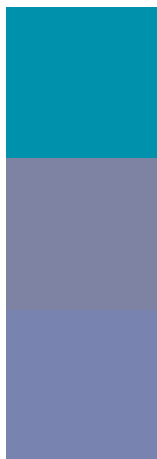


This preview shows how white text looks on a background with the XYZ color 17.8217, 23.5749,

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

17.8217, 23.5749, 43.1463

Protanopia

23.3313, 23.3126, 37.9204

Deuteranopia

23.8379, 23.4321, 44.3408



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

17.8217, 23.5749, 43.1463

Protanomaly

19.0875, 22.1038, 39.8197

Deuteranomaly

19.6026, 22.2812, 43.8250

Tritanomaly

17.1346, 23.5478, 38.7640

Monochromacy



Original Color

17.8217, 23.5749, 43.1463

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0605, 16.2379, 23.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8217, 23.5749, 43.1463 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, 146, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 173)  
}
```

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, 146, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 173) }
```

Border

The CSS property to change the border of an element to XYZ 17.8217, 23.5749, 43.1463 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, 146, 173) }
```


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

```
.border{ border-color:rgb(0, 146, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8217, 23.5749, 43.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 173) }
```

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

```
.background{ background-color: rgb(0, 146,  
173) }
```

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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