

Converting Colors

XYZ(13.9784, 16.0377, 55.3047)

Have a look what the booklet for
XYZ(13.9784, 16.0377, 55.3047)
contains.

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Color

**XYZ(16.7945, 17.4642,
55.3091)**

Conversions

Conversions Part 1

Format	Color
Hex	0078C5
RGB	0, 120, 197
RGB Percent	0%, 47%, 77%
CMY	0.9998, 0.5294, 0.2274
CMYK	1.00, 0.39, 0.00, 0.23
HSL	203°, 100%, 39%
HSV	203°, 100%, 77%
XYZ	16.7945, 17.4642, 55.3091
YIQ	92.8980, -96.2370, -1.4930

Conversions

Conversions Part 2

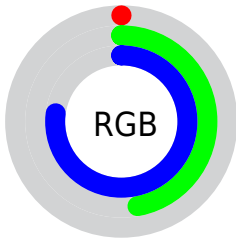
Format	Color
RYB	0, 75, 197
Decimal	30917
CIELab	48.84, 1.09, -47.79
CIELCh	49, 47.799, 271.309
Yxy	17.4642, 0.1875, 0.1950
Android (android.graphics.Color)	4278220997 (0xFF0078C5)
YUV	92.8980, 51.3223, -81.4715
Hunter-Lab	41.7902, -1.3979, -49.2169

Details

The XYZ color **16.7945, 17.4642, 55.3091** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **25.6829, 17.1836, 1.9642**, and the grayscale version is **10.2840, 10.8195, 11.7825**.

A 20% lighter version of the original color is **37.5717, 39.2022, 99.3525**, and **7.2753, 6.6179, 26.8805** is the 20% darker color. If you saturate the color by 10%, you get **16.7929, 17.4609, 55.3089**, and if you desaturate by 10%, it is **18.0418, 19.5381, 55.6441**.

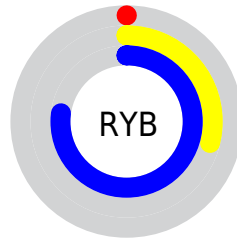
Distribution



Red (0%)

Green (47%)

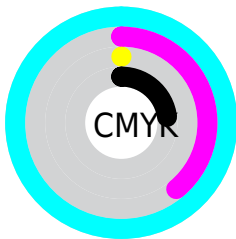
Blue (77%)



Red (0%)

Yellow (29%)

Blue (77%)

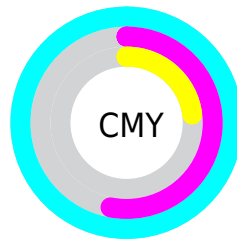


Cyan (100%)

Magenta (39%)

Yellow (0%)

Black (23%)



Cyan (100%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7945, 17.4642, 55.3091 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 16.7945, 17.4642, 55.3091 by changing the saturation by 10% instead.

■ 16.7945, 17.4642,
55.3091

■ 16.7945, 17.4642,
55.3091

227.1647,
237.8334, 424.3975

■ 10.1825, 10.5660,
39.2490

■ 37.5185, 39.1222,
99.4694

■ 5.5833, 5.7758,
26.6442

■ 52.3612, 54.6508,
128.4066

■ 2.6316, 2.7092,
17.0761

■ 70.6782, 73.8249,
162.4733

■ 0.9621, 0.9819,
10.1262

■ 92.8349, 97.0291,
202.0880

■ 0.0000, 0.0000,
5.3760

■ 119.1965,
124.6476, 247.6692

■ 0.0000, 0.0000,
2.4070

■ 150.1284,

■ 0.0000, 0.0000,

157.0649, 299.6355

0.7902

185.9961,
194.6654, 358.4054

■ 0.0000, 0.0000,
0.0000

■ 16.7945, 17.4642,
55.3091

■ 16.7945, 17.4642,
55.3091

■ 16.7929, 17.4609,
55.3089

■ 18.0418, 19.5381,
55.6441

■ 19.6520, 21.9121,
56.0174

■ 21.7283, 24.6419,
56.4349

■ 24.3248, 27.7578,
56.8995

■ 27.4873, 31.2856,
57.4137

■ 31.2563, 35.2484,
57.9800

■ 35.6682, 39.6672,
58.6004

■ 40.7566, 44.5613,
59.2768

■ 46.5522, 49.9488,
60.0113

Harmonies

Analogous

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



12.8370, 17.4642, 49.4406



16.7945, 17.4642, 55.3091



21.4299, 17.4642, 48.3946

Triad

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



16.7945, 17.4642, 55.3091



24.9907, 17.4642, 8.9482



10.1930, 17.4642, 9.5448

Complementary

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



16.7945, 17.4642, 55.3091



25.6829, 17.1836, 1.9642

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.



12.5552, 17.4642, 4.8619



16.7945, 17.4642, 55.3091



21.0329, 17.4642, 4.6409

Square

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



16.7945, 17.4642, 55.3091



26.6525, 17.4642, 18.4638



16.4054, 17.4642, 3.5689



9.4575, 17.4642, 19.5782

Rectangle

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



16.7945, 17.4642, 55.3091



24.1736, 17.4642, 38.7015



16.4054, 17.4642, 3.5689



10.7996, 17.4642, 7.4803

Sweetspot

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



16.7952, 17.4647, 55.3096



63.4755, 70.6452, 104.8981



21.2555, 40.4485, 13.4411



12.8366, 14.3776, 22.3485



0.0000, 0.0000, 0.0000



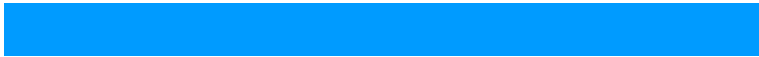
20.3446, 21.4041, 23.3091

Same Dimension

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



16.7952, 17.4647, 55.3096



29.8232, 30.7665, 98.9744



10.3853, 4.6450, 53.1729



10.5852, 11.3445, 13.5493



11.1286, 11.6511, 36.4067



0.5959, 0.6896, 1.7468

Inverse Universe

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



26.4168, 13.2273, 18.9305



47.1826, 23.6370, 33.2233



38.1666, 42.1510, 6.1255



10.9007, 10.7436, 12.4601



17.4165, 8.7162, 12.6692



0.8595, 0.4266, 0.7832

Previews

White Background



This preview shows how the XYZ color 16.7945, 17.4642, 55.3091 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7945, 17.4642, 55.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

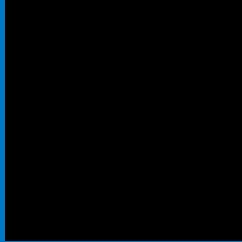
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7945, 17.4642, 55.3091

Background



This preview shows how black text looks on a background with the XYZ color 16.7945, 17.4642, 55.3091.



This preview shows how white text looks on a background with the XYZ color 16.7945, 17.4642,

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

16.7945, 17.4642, 55.3091

Protanopia

18.8555, 17.4128, 51.0824

Deuteranopia

18.0757, 17.5841, 55.8675



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

16.7945, 17.4642, 55.3091

Protanomaly

17.3392, 17.0979, 52.8384

Deuteranomaly

17.3312, 17.3742, 55.8662

Tritanomaly

13.7189, 17.4249, 35.4412

Monochromacy



Original Color

16.7945, 17.4642, 55.3091

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.7506, 12.2690, 23.2743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7945, 17.4642, 55.3091 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, 120, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 197)  
}
```

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, 120, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 197) }
```

Border

The CSS property to change the border of an element to XYZ 16.7945, 17.4642, 55.3091 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, 120, 197) }
```


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

```
.border{ border-color:rgb(0, 120, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7945, 17.4642, 55.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 197) }
```

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

```
.background{ background-color: rgb(0, 120,  
197) }
```

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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