

Converting Colors

XYZ(9.8997, 14.0142, 55.1552)

Have a look what the booklet for
XYZ(9.8997, 14.0142, 55.1552)
contains.

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Color

**XYZ(16.9154, 17.7060,
55.3494)**

Conversions

Conversions Part 1

Format	Color
Hex	0079C5
RGB	0, 121, 197
RGB Percent	0%, 47%, 77%
CMY	0.9998, 0.5255, 0.2274
CMYK	1.00, 0.39, 0.00, 0.23
HSL	203°, 100%, 39%
HSV	203°, 100%, 77%
XYZ	16.9154, 17.7060, 55.3494
YIQ	93.4850, -96.5120, -2.0160

Conversions

Conversions Part 2

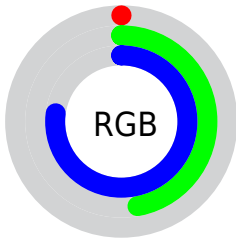
Format	Color
RYB	0, 75, 197
Decimal	31173
CIELab	49.14, 0.48, -47.31
CIELCh	49, 47.314, 270.581
Yxy	17.7060, 0.1880, 0.1968
Android (android.graphics.Color)	4278221253 (0xFF0079C5)
YUV	93.4850, 51.0329, -81.9863
Hunter-Lab	42.0785, -1.8810, -48.5342

Details

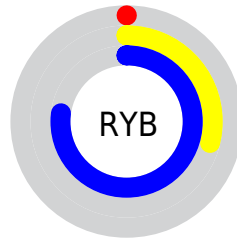
The XYZ color **16.9154, 17.7060, 55.3494** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **25.6134, 17.0446, 1.9411**, and the grayscale version is **10.4212, 10.9639, 11.9397**.

A 20% lighter version of the original color is **37.7627, 39.5843, 99.4162**, and **7.3405, 6.7483, 26.9023** is the 20% darker color. If you saturate the color by 10%, you get **16.9138, 17.7027, 55.3492**, and if you desaturate by 10%, it is **18.1593, 19.7733, 55.6833**.

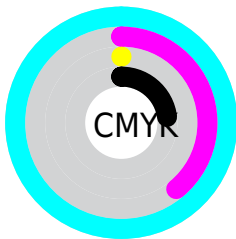
Distribution



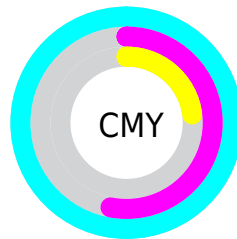
- Red (0%)
- Green (47%)
- Blue (77%)



- 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 16.9154, 17.7060, 55.3494 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 16.9154, 17.7060, 55.3494 by changing the saturation by 10% instead.

■ 16.9154, 17.7060,
55.3494

■ 16.9154, 17.7060,
55.3494

227.8501,
239.2087, 424.5542

■ 10.2691, 10.7391,
39.2810

■ 37.7250, 39.5357,
99.5290

■ 5.6414, 5.8917,
26.6689

■ 52.6191, 55.1673,
128.4773

■ 2.6668, 2.7793,
17.0945

■ 70.9931, 74.4560,
162.5560

■ 0.9801, 1.0176,
10.1392

■ 93.2124, 97.7861,
202.1836

■ 0.0000, 0.0000,
5.3845

■ 119.6424,
125.5420, 247.7787

■ 0.0000, 0.0000,
2.4120

■ 150.6485,

■ 0.0000, 0.0000,

158.1081, 299.7598

0.7929

186.5959,
195.8689, 358.5455

■ 0.0000, 0.0000,
0.0000

■ 16.9154, 17.7060,
55.3494

■ 16.9154, 17.7060,
55.3494

■ 16.9138, 17.7027,
55.3492

■ 18.1593, 19.7733,
55.6833

■ 19.7645, 22.1371,
56.0549

■ 21.8338, 24.8530,
56.4701

■ 24.4214, 27.9511,
56.9317

■ 27.5731, 31.4572,
57.4423

■ 31.3292, 35.3942,
58.0043

■ 35.7262, 39.7831,
58.6197

■ 40.7974, 44.6430,
59.2905

■ 46.5738, 49.9919,
60.0184

Harmonies

Analogous

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



12.9863, 17.7060, 49.2443



16.9154, 17.7060, 55.3494



21.5392, 17.7060, 48.7842

Triad

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



16.9154, 17.7060, 55.3494



25.2677, 17.7060, 9.3496



10.4528, 17.7060, 9.6161

Complementary

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



16.9154, 17.7060, 55.3494



25.6134, 17.0446, 1.9411

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.



12.8611, 17.7060, 4.9902



16.9154, 17.7060, 55.3494



21.3636, 17.7060, 4.8905

Square

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



16.9154, 17.7060, 55.3494



26.8507, 17.7060, 19.0329



16.7429, 17.7060, 3.7368



9.6746, 17.7060, 19.5268

Rectangle

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



16.9154, 17.7060, 55.3494



24.2944, 17.7060, 39.2593



16.7429, 17.7060, 3.7368



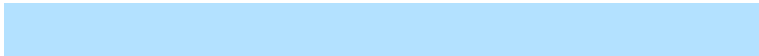
11.0750, 17.7060, 7.5765

Sweetspot

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



16.9161, 17.7065, 55.3499



63.5807, 70.8556, 104.9332



21.2555, 40.4485, 13.4411



12.8616, 14.4277, 22.3569



0.0000, 0.0000, 0.0000



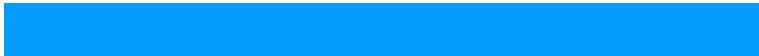
20.3446, 21.4041, 23.3091

Same Dimension

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



16.9161, 17.7065, 55.3499



30.0404, 31.2009, 99.0468



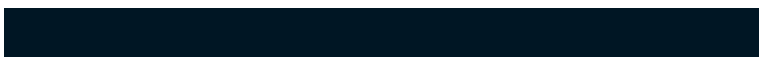
10.3854, 4.6450, 53.1729



10.5898, 11.3536, 13.5508



11.2079, 11.8096, 36.4331



0.5993, 0.6965, 1.7480

Inverse Universe

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



26.4778, 13.2518, 19.2519



47.2922, 23.6809, 33.8006



38.1666, 42.1510, 6.1255



10.9030, 10.7446, 12.4723



17.4565, 8.7322, 12.8799



0.8612, 0.4273, 0.7924

Previews

White Background



This preview shows how the XYZ color 16.9154, 17.7060, 55.3494 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 16.9154, 17.7060, 55.3494 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 16.9154, 17.7060, 55.3494

Background



This preview shows how black text looks on a background with the XYZ color 16.9154, 17.7060, 55.3494.



This preview shows how white text looks on a background with the XYZ color 16.9154, 17.7060,

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

16.9154, 17.7060, 55.3494

Protanopia

19.1493, 17.7308, 51.1283

Deuteranopia

18.2417, 17.6697, 55.8752



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

16.9154, 17.7060, 55.3494

Protanomaly

17.5625, 17.3851, 52.8821

Deuteranomaly

17.3990, 17.4092, 55.8694

Tritanomaly

13.7189, 17.4249, 35.4412

Monochromacy



Original Color

16.9154, 17.7060, 55.3494

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 16.9154, 17.7060, 55.3494 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, 121, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 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, 121, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 197) }
```

Border

The CSS property to change the border of an element to XYZ 16.9154, 17.7060, 55.3494 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, 121, 197) }
```


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

```
.border{ border-color:rgb(0, 121, 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, 121, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9154, 17.7060, 55.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 197) }
```

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

```
.background{ background-color: rgb(0, 121,  
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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