

Converting Colors

XYZ(17.5964, 16.4615, 55.1724)

Have a look what the booklet for
XYZ(17.5964, 16.4615, 55.1724)
contains.

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Color

**XYZ(17.6171, 16.5191,
55.0833)**

Conversions

Conversions Part 1

Format	Color
Hex	3A70C5
RGB	58, 112, 197
RGB Percent	23%, 44%, 77%
CMY	0.7725, 0.5608, 0.2274
CMYK	0.71, 0.43, 0.00, 0.23
HSL	217°, 55%, 50%
HSV	217°, 71%, 77%
XYZ	17.6171, 16.5191, 55.0833
YIQ	105.5440, -59.4690, 14.9870

Conversions

Conversions Part 2

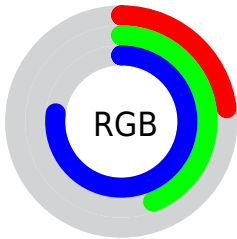
Format	Color
RYB	58, 97, 197
Decimal	3829957
CIELab	47.65, 10.74, -49.62
CIElCh	48, 50.771, 282.207
Yxy	16.5191, 0.1975, 0.1852
Android (android.graphics.Color)	4282020037 (0xFF3A70C5)
YUV	105.5440, 45.0878, -41.6961
Hunter-Lab	40.6437, 6.2448, -51.9035

Details

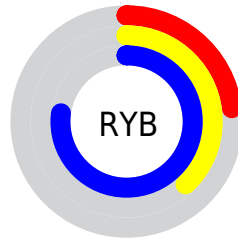
The XYZ color **17.6171, 16.5191, 55.0833** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **33.6136, 31.8232, 8.3749**, and the grayscale version is **13.4686, 14.1700, 15.4311**.

A 20% lighter version of the original color is **38.8717, 37.4151, 98.9390**, and **6.8482, 5.7638, 26.7382** is the 20% darker color. If you saturate the color by 10%, you get **15.4416, 13.5547, 54.6261**, and if you desaturate by 10%, it is **20.4099, 20.0661, 55.6211**.

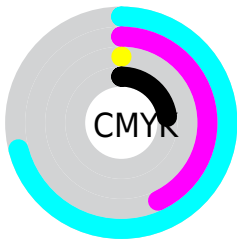
Distribution



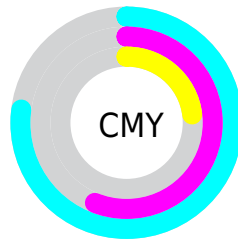
- Red (23%)
- Green (44%)
- Blue (77%)



- Red (23%)
- Yellow (38%)
- Blue (77%)



- Cyan (71%)
- Magenta (43%)
- Yellow (0%)
- Black (23%)



- Cyan (77%)
- Magenta (56%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6171, 16.5191, 55.0833 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 17.6171, 16.5191, 55.0833 by changing the saturation by 10% instead.

■ 17.6171, 16.5191,
55.0833

■ 17.6171, 16.5191,
55.0833

231.7914,
232.3856, 423.5185

■ 10.7735, 9.8922,
39.0694

■ 38.9190, 37.4971,
99.1354

■ 5.9809, 5.3276,
26.5054

■ 54.1080, 52.6170,
128.0106

■ 2.8740, 2.4407,
16.9730

■ 72.8094, 71.3366,
162.0100

■ 1.0875, 0.8467,
10.0535

■ 95.3887, 94.0405,
201.5521

■ 0.0146, 0.0000,
5.3284

■ 122.2112,
121.1129, 247.0554

■ 0.0000, 0.0000,
2.3791

153.6423,

■ 0.0000, 0.0000,

152.9383, 298.9386

0.7750

190.0472,
189.9011, 357.6201

■ 0.0000, 0.0000,
0.0000

■ 17.6171, 16.5191,
55.0833

■ 17.6171, 16.5191,
55.0833

■ 15.4416, 13.5547,
54.6261

■ 20.4099, 20.0661,
55.6211

■ 13.8211, 11.1299,
54.2435

■ 23.8692, 24.2304,
56.2426

■ 12.6990, 9.2730,
53.9442

■ 28.0412, 29.0454,
56.9521

■ 32.9671, 34.5412,
57.7532

■ 38.6849, 40.7457,
58.6495

■ 45.2296, 47.6853,
59.6440

■ 52.6343, 55.3849,
60.7399

■ 60.9302, 63.8680,
61.9401

■ 70.1466, 73.1571,
63.2473

Harmonies

Analogous

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



13.1850, 16.5191, 53.7660



17.6171, 16.5191, 55.0833



22.3153, 16.5191, 43.5394

Triad

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



17.6171, 16.5191, 55.0833



23.0833, 16.5191, 5.8878



8.7776, 16.5191, 11.3855

Complementary

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



17.6171, 16.5191, 55.0833



33.6136, 31.8232, 8.3749

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.



10.5427, 16.5191, 5.1079



17.6171, 16.5191, 55.0833



18.5181, 16.5191, 3.1499

Square

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



17.6171, 16.5191, 55.0833



25.8547, 16.5191, 13.2074



13.9290, 16.5191, 2.9568



8.6292, 16.5191, 23.7983

Rectangle

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



17.6171, 16.5191, 55.0833



24.7435, 16.5191, 32.3187



13.9290, 16.5191, 2.9568



9.1832, 16.5191, 8.6766

Sweetspot

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



17.6178, 16.5196, 55.0837



68.4468, 72.0765, 104.9124



26.5496, 42.7677, 32.2127



14.0113, 14.7385, 22.3563



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.



17.6178, 16.5196, 55.0837



25.8733, 21.6663, 97.4261



14.2572, 8.4323, 53.6999



10.3889, 10.9519, 13.4839



8.4284, 6.2506, 35.5066



0.4691, 0.4361, 1.7046

Inverse Universe

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



27.4643, 16.0672, 16.9833



45.4819, 24.0786, 20.8089



40.2829, 50.3181, 11.5933



10.8016, 10.7040, 11.9384



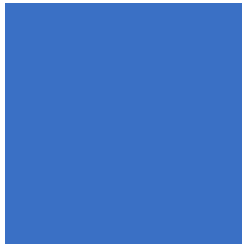
16.0536, 8.1710, 5.4920



0.7955, 0.4010, 0.4463

Previews

White Background



This preview shows how the XYZ color 17.6171, 16.5191, 55.0833 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 17.6171, 16.5191, 55.0833 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 17.6171, 16.5191, 55.0833

Background



This preview shows how black text looks on a background with the XYZ color 17.6171, 16.5191, 55.0833.



This preview shows how white text looks on a background with the XYZ color 17.6171, 16.5191,

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

17.6171, 16.5191, 55.0833

Protanopia

18.3279, 16.5878, 53.8655

Deuteranopia

17.0916, 16.5794, 55.1226



Tritanopia

11.7068, 16.4165, 25.4734

Trichromacy



Original Color

17.6171, 16.5191, 55.0833

Protanomaly

18.1025, 16.6196, 54.4784

Deuteranomaly

17.2021, 16.4699, 55.0957

Tritanomaly

13.1973, 16.0610, 34.7523

Monochromacy



Original Color

17.6171, 16.5191, 55.0833

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1426, 14.7131, 26.5206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6171, 16.5191, 55.0833 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(58, 112, 197)` looks like.

```
.text, #text, p{  
  color:rgb(58, 112, 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(58, 112, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 112, 197) }
```

Border

The CSS property to change the border of an element to XYZ 17.6171, 16.5191, 55.0833 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(58, 112, 197) }
```


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

```
.border{ border-color:rgb(58, 112, 197) }
```

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

Here you see how a box with a 4 pixel rgb(58, 112, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 112, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 112, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 112,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6171, 16.5191, 55.0833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 112, 197) }
```

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

```
.background{ background-color: rgb(58, 112,  
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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