

Converting Colors

XYZ(17.6692, 17.2315, 51.1099)

Have a look what the booklet for
XYZ(17.6692, 17.2315, 51.1099)
contains.

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Color

**XYZ(17.7196, 17.3323,
51.1267)**

Conversions

Conversions Part 1

Format	Color
Hex	4174BE
RGB	65, 116, 190
RGB Percent	25%, 45%, 75%
CMY	0.7451, 0.5451, 0.2549
CMYK	0.66, 0.39, 0.00, 0.25
HSL	216°, 49%, 50%
HSV	216°, 66%, 75%
XYZ	17.7196, 17.3323, 51.1267
YIQ	109.1870, -54.1500, 12.2020

Conversions

Conversions Part 2

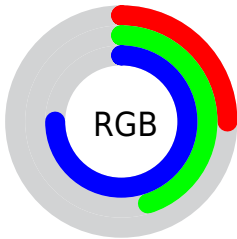
Format	Color
R _Y B	65, 101, 190
Decimal	4289726
CIE Lab	48.68, 6.86, -43.94
CIE LCh	49, 44.472, 278.870
Yxy	17.3323, 0.2056, 0.2011
Android (android.graphics.Color)	4282479806 (0xFF4174BE)
YUV	109.1870, 39.8408, -38.7520
Hunter-Lab	41.6321, 3.1177, -43.6692

Details

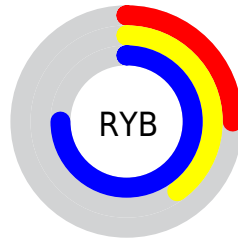
The XYZ color **17.7196, 17.3323, 51.1267** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **31.4232, 29.7959, 9.0971**, and the grayscale version is **14.4911, 15.2458, 16.6027**.

A 20% lighter version of the original color is **39.2486, 39.0806, 93.4704**, and **6.5721, 6.0338, 24.1108** is the 20% darker color. If you saturate the color by 10%, you get **15.4478, 14.3516, 50.6715**, and if you desaturate by 10%, it is **20.5728, 20.8462, 51.6549**.

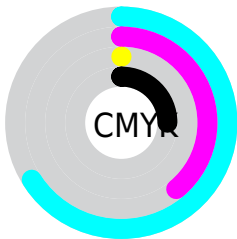
Distribution



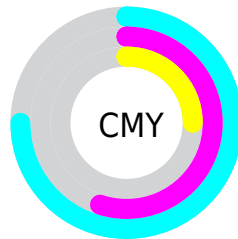
- Red (25%)
- Green (45%)
- Blue (75%)



- Red (25%)
- Yellow (40%)
- Blue (75%)



- Cyan (66%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7196, 17.3323, 51.1267 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 17.7196, 17.3323, 51.1267 by changing the saturation by 10% instead.

■ 17.7196, 17.3323,
51.1267

■ 17.7196, 17.3323,
51.1267

232.3621,
237.0801, 407.9164

■ 10.8473, 10.4717,
35.9320

■ 39.0928, 38.8962,
93.2554

■ 6.0308, 5.7128,
24.0924

■ 54.3244, 54.3684,
121.0266

■ 2.9047, 2.6712,
15.1894

■ 73.0732, 73.4798,
153.8270

■ 1.1035, 0.9626,
8.8043

■ 95.7045, 96.6149,
192.0752

■ 0.0281, 0.0000,
4.5187

■ 122.5837,
124.1581, 236.1897

■ 0.0000, 0.0000,
1.9140

154.0761,

■ 0.0000, 0.0000,

156.4938, 286.5890

0.5016

190.5471,
194.0063, 343.6918

■ 0.0000, 0.0000,
0.0000

■ 17.7196, 17.3323,
51.1267

■ 17.7196, 17.3323,
51.1267

■ 15.4478, 14.3516,
50.6715

■ 20.5728, 20.8462,
51.6549

■ 13.7053, 11.8684,
50.2840

■ 24.0488, 24.9220,
52.2584

■ 12.4312, 9.8426,
49.9602

■ 28.1873, 29.5878,
52.9409

■ 11.9844, 9.0980,
49.8400

■ 33.0241, 34.8691,
53.7054

■ 38.5919, 40.7899,
54.5548

■ 44.9216, 47.3727,
55.4917

■ 52.0420, 54.6386,
56.5189

■ 59.9804, 62.6079,
57.6388

■ 68.7630, 71.3001,
58.8536

Harmonies

Analogous

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



13.7920, 17.3323, 48.7393



17.7196, 17.3323, 51.1267



21.9333, 17.3323, 42.4752

Triad

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



17.7196, 17.3323, 51.1267



23.4061, 17.3323, 7.9528



10.1599, 17.3323, 11.8465

Complementary

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



17.7196, 17.3323, 51.1267



31.4232, 29.7959, 9.0971

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.



12.0050, 17.3323, 6.1859



17.7196, 17.3323, 51.1267



19.4825, 17.3323, 4.6741

Square

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



17.7196, 17.3323, 51.1267



25.5559, 17.3323, 15.6002



15.2879, 17.3323, 4.1989



9.8474, 17.3323, 22.5719

Rectangle

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



17.7196, 17.3323, 51.1267



24.1860, 17.3323, 33.1173



15.2879, 17.3323, 4.1989



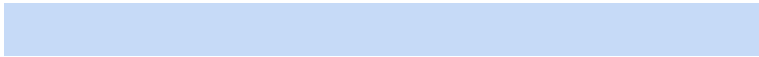
10.6048, 17.3323, 9.4402

Sweetspot

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



17.7203, 17.3329, 51.1271



65.1873, 68.9018, 98.1428



25.1756, 39.7839, 30.3665



13.6920, 14.4666, 21.4560



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



17.7203, 17.3329, 51.1271



26.4617, 23.8774, 91.4932



14.1199, 9.0121, 49.7108



9.3275, 9.8474, 12.0813



8.0420, 6.1956, 33.1649



0.3795, 0.3717, 1.3206

Inverse Universe

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



26.2785, 15.9896, 18.2247



43.8487, 23.9456, 24.0206



38.0937, 46.8624, 12.0396



9.6872, 9.5992, 10.7416



15.0600, 7.6551, 5.6094



0.6225, 0.3129, 0.3911

Previews

White Background



This preview shows how the XYZ color 17.7196, 17.3323, 51.1267 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 17.7196, 17.3323, 51.1267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

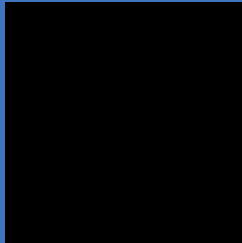
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7196, 17.3323, 51.1267

Background



This preview shows how black text looks on a background with the XYZ color 17.7196, 17.3323, 51.1267.

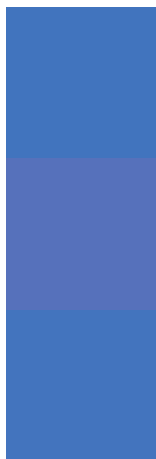


This preview shows how white text looks on a background with the XYZ color 17.7196, 17.3323,

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

17.7196, 17.3323, 51.1267

Protanopia

18.7125, 17.3765, 49.3815

Deuteranopia

17.8544, 17.4018, 51.1330



Tritanopia

12.7004, 17.2920, 26.3352

Trichromacy



Original Color

17.7196, 17.3323, 51.1267

Protanomaly

18.2363, 17.2852, 49.9522

Deuteranomaly

17.7864, 17.3667, 51.1299

Tritanomaly

14.1224, 17.1017, 34.0091

Monochromacy



Original Color

17.7196, 17.3323, 51.1267

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8958, 15.7505, 26.2998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7196, 17.3323, 51.1267 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(65, 116, 190)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 190)  
}
```

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(65, 116, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 190) }
```

Border

The CSS property to change the border of an element to XYZ 17.7196, 17.3323, 51.1267 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(65, 116, 190) }
```


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

```
.border{ border-color:rgb(65, 116, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 116, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 190);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7196, 17.3323, 51.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 190) }
```

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

```
.background{ background-color: rgb(65, 116,  
190) }
```

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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