

Converting Colors

XYZ(17.6010, 20.1313, 31.8123)

Have a look what the booklet for
XYZ(17.6010, 20.1313, 31.8123)
contains.

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Color

**XYZ(17.5717, 20.0762,
31.8031)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8196
RGB	90, 129, 150
RGB Percent	35%, 51%, 59%
CMY	0.6471, 0.4941, 0.4118
CMYK	0.40, 0.14, 0.00, 0.41
HSL	201°, 25%, 47%
HSV	201°, 40%, 59%
XYZ	17.5717, 20.0762, 31.8031
YIQ	119.7330, -29.9850, -1.7370

Conversions

Conversions Part 2

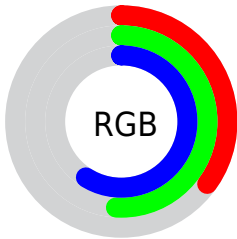
Format	Color
R_{YB}	90, 114, 150
Decimal	5931414
CIE _{Lab}	51.92, -7.94, -15.59
CIE _{LCh}	52, 17.494, 243.020
Yxy	20.0762, 0.2530, 0.2891
Android (android.graphics.Color)	4284121494 (0xFF5A8196)
YUV	119.7330, 14.9216, -26.0758
Hunter-Lab	44.8065, -8.4092, -10.7188

Details

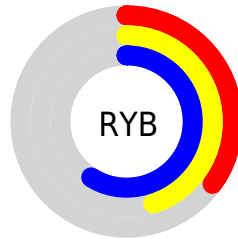
The XYZ color **17.5717, 20.0762, 31.8031** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1079, 18.5913, 12.2020**, and the grayscale version is **17.7286, 18.6519, 20.3119**.

A 20% lighter version of the original color is **38.7824, 43.5663, 63.4918**, and **5.9575, 7.0695, 12.8549** is the 20% darker color. If you saturate the color by 10%, you get **15.5836, 18.0514, 31.5174**, and if you desaturate by 10%, it is **19.8910, 22.3254, 32.1154**.

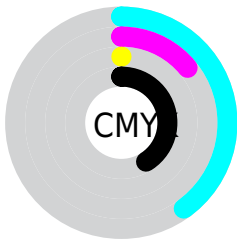
Distribution



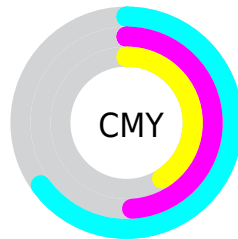
- Red (35%)
- Green (51%)
- Blue (59%)



- Red (35%)
- Yellow (45%)
- Blue (59%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (41%)



- Cyan (65%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5717, 20.0762, 31.8031 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 17.5717, 20.0762, 31.8031 by changing the saturation by 10% instead.

■ 17.5717, 20.0762,
31.8031

■ 17.5717, 20.0762,
31.8031

231.5383,
252.3273, 324.6864

■ 10.7408, 12.4504,
20.9476

■ 38.8420, 43.5449,
63.5966

■ 5.9588, 7.0512,
12.8948

■ 54.0120, 60.1566,
85.3717

■ 2.8605, 3.4942,
7.2263

■ 72.6925, 80.5325,
111.6236

■ 1.0804, 1.3948,
3.5234

■ 95.2487, 105.0569,
142.7711

■ 0.0086, 0.2129,
1.3677

122.0460,
134.1141, 179.2326

■ 0.0000, 0.0000,
0.1163

153.4498,

■ 0.0000, 0.0000,

168.0887, 221.4266

0.0000

189.8255,
207.3650, 269.7717

■ 17.5717, 20.0762,
31.8031

■ 17.5717, 20.0762,
31.8031

■ 15.5836, 18.0514,
31.5174

■ 19.8910, 22.3254,
32.1154

■ 13.9065, 16.2384,
31.2559

■ 22.5566, 24.8062,
32.4537

■ 12.5208, 14.6268,
31.0178

■ 25.5846, 27.5281,
32.8195

■ 11.4035, 13.2040,
30.8021

■ 28.9898, 30.4994,
33.2135

■ 10.5279, 11.9552,
30.6072

■ 32.7858, 33.7280,
33.6366

■ 9.8265, 10.8449,
30.4299

■ 36.9859, 37.2213,
34.0895

■ 9.8265, 10.8448,
30.4298

■ 41.6024, 40.9863,
34.5730

■ 46.6472, 45.0300,
35.0876

■ 52.1317, 49.3588,
35.6341

Harmonies

Analogous

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



16.3551, 20.0762, 27.6440



17.5717, 20.0762, 31.8031



19.2626, 20.0762, 33.1738

Triad

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



17.5717, 20.0762, 31.8031



22.7054, 20.0762, 21.3476



17.2779, 20.0762, 14.6316

Complementary

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



17.5717, 20.0762, 31.8031



20.1079, 18.5913, 12.2020

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.



18.9022, 20.0762, 13.4639



17.5717, 20.0762, 31.8031



22.0959, 20.0762, 16.9442

Square

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



17.5717, 20.0762, 31.8031



22.2952, 20.0762, 26.6118



20.6761, 20.0762, 14.2403



16.1930, 20.0762, 17.7097

Rectangle

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



17.5717, 20.0762, 31.8031



20.4509, 20.0762, 32.1719



20.6761, 20.0762, 14.2403



17.7753, 20.0762, 14.0264

Sweetspot

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



17.5723, 20.0770, 31.8036



43.8981, 47.4680, 57.7698



17.9377, 25.1125, 18.6541



9.5902, 10.3961, 12.7860



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.5723, 20.0770, 31.8036



27.8444, 32.2148, 55.6718



14.2791, 13.4905, 30.7058



5.7950, 6.2240, 7.3657



8.1805, 9.0559, 25.2478



0.1278, 0.1663, 0.3183

Inverse Universe

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



20.1968, 15.3818, 22.6743



33.2833, 23.2886, 36.5718



23.8016, 25.9788, 13.4333



5.9500, 5.8751, 6.8427



12.2562, 6.1075, 10.0963



0.1640, 0.0804, 0.1973

Previews

White Background



This preview shows how the XYZ color 17.5717, 20.0762, 31.8031 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 17.5717, 20.0762, 31.8031 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

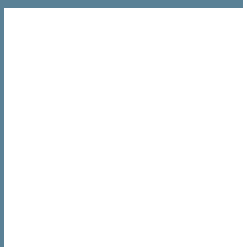
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5717, 20.0762, 31.8031

Background



This preview shows how black text looks on a background with the XYZ color 17.5717, 20.0762, 31.8031.



This preview shows how white text looks on a background with the XYZ color 17.5717, 20.0762,

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

17.5717, 20.0762, 31.8031

Protanopia

19.6781, 19.8853, 29.5892

Deuteranopia

20.3900, 20.0067, 32.4928



Tritanopia

16.9485, 20.2304, 28.2109

Trichromacy



Original Color

17.5717, 20.0762, 31.8031

Protanomaly

18.7844, 19.9620, 30.4668

Deuteranomaly

19.2240, 19.9647, 32.1185

Tritanomaly

17.1365, 20.1027, 29.3626

Monochromacy



Original Color

17.5717, 20.0762, 31.8031

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4864, 19.0558, 24.2292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5717, 20.0762, 31.8031 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(90, 129, 150)` looks like.

```
.text, #text, p{  
    color:rgb(90, 129, 150)  
}
```

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(90, 129, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 129, 150) }
```

Border

The CSS property to change the border of an element to XYZ 17.5717, 20.0762, 31.8031 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(90, 129, 150) }
```


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

```
.border{ border-color:rgb(90, 129, 150) }
```

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

Here you see how a box with a 4 pixel rgb(90, 129, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 129, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 129, 150);  
box-shadow:4px 4px 4px 4px rgb(90, 129,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5717, 20.0762, 31.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 129, 150) }
```

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

```
.background{ background-color: rgb(90, 129,  
150) }
```

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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