

Converting Colors

XYZ(16.7523, 20.1662, 28.4796)

Have a look what the booklet for
XYZ(16.7523, 20.1662, 28.4796)
contains.

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Color

**XYZ(16.7451, 20.1169,
28.5916)**

Conversions

Conversions Part 1

Format	Color
Hex	55838E
RGB	85, 131, 142
RGB Percent	33%, 51%, 56%
CMY	0.6667, 0.4863, 0.4431
CMYK	0.40, 0.08, 0.00, 0.44
HSL	192°, 25%, 45%
HSV	192°, 40%, 56%
XYZ	16.7451, 20.1169, 28.5916
YIQ	118.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

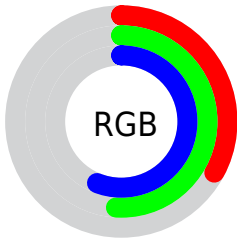
Format	Color
R_{YB}	85, 110, 142
Decimal	5604238
CIE _{Lab}	51.97, -12.67, -10.88
CIE _{LCh}	52, 16.705, 220.659
Yxy	20.1169, 0.2558, 0.3073
Android (android.graphics.Color)	4283794318 (0xFF55838E)
YUV	118.5000, 11.5855, -29.3795
Hunter-Lab	44.8519, -11.8492, -6.3991

Details

The XYZ color **16.7451, 20.1169, 28.5916** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9782, 14.7727, 10.5514**, and the grayscale version is **17.3490, 18.2525, 19.8770**.

A 20% lighter version of the original color is **37.4208, 43.5849, 58.6650**, and **5.6087, 7.1474, 11.2092** is the 20% darker color. If you saturate the color by 10%, you get **15.2201, 18.7920, 28.4166**, and if you desaturate by 10%, it is **18.5399, 21.5962, 28.7829**.

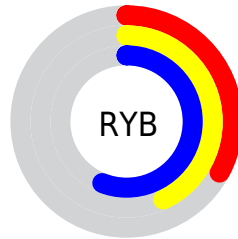
Distribution



Red (33%)

Green (51%)

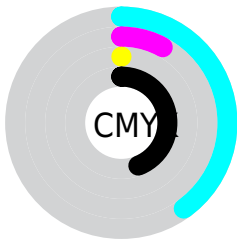
Blue (56%)



Red (33%)

Yellow (43%)

Blue (56%)

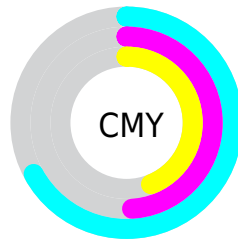


Cyan (40%)

Magenta (8%)

Yellow (0%)

Black (44%)



Cyan (67%)

Magenta (49%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7451, 20.1169, 28.5916 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 16.7451, 20.1169, 28.5916 by changing the saturation by 10% instead.

■ 16.7451, 20.1169,
28.5916

■ 16.7451, 20.1169,
28.5916

■ 226.8841,
252.5473, 309.2835

■ 10.1471, 12.4800,
18.5292

■ 37.4341, 43.6131,
58.4620

■ 5.5596, 7.0715,
11.1572

■ 52.2558, 60.2412,
79.1071

■ 2.6173, 3.5069,
6.0572

■ 70.5494, 80.6352,
104.1168

■ 0.9548, 1.4017,
2.8105

■ 92.6803, 105.1795,
133.9096

■ 0.0000, 0.2180,
0.9987

■ 119.0139,
134.2584, 168.9042

■ 0.0000, 0.0000,
0.0000

149.9155,

168.2565, 209.5190

185.7505,
207.5579, 256.1726

■ 16.7451, 20.1169,
28.5916

■ 16.7451, 20.1169,
28.5916

■ 15.2201, 18.7920,
28.4166

■ 18.5399, 21.5962,
28.7829

■ 13.9472, 17.6111,
28.2557

■ 20.6168, 23.2351,
28.9898

■ 12.9099, 16.5657,
28.1086

■ 22.9899, 25.0412,
29.2133

■ 12.0885, 15.6458,
27.9744

■ 25.6715, 27.0213,
29.4542

■ 11.4602, 14.8395,
27.8519

■ 28.6735, 29.1813,
29.7129

■ 10.9678, 14.1235,
27.7396

■ 32.0068, 31.5271,
29.9900

■ 35.6820, 34.0643,
30.2860

■ 39.7092, 36.7982,
30.6014

■ 44.0981, 39.7338,
30.9367

Harmonies

Analogous

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



16.0829, 20.1169, 23.6826



16.7451, 20.1169, 28.5916



18.0576, 20.1169, 31.9846

Triad

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



16.7451, 20.1169, 28.5916



22.3757, 20.1169, 25.1549



18.5219, 20.1169, 13.9277

Complementary

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



16.7451, 20.1169, 28.5916



16.9782, 14.7727, 10.5514

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.



20.2243, 20.1169, 14.2008



16.7451, 20.1169, 28.5916



22.5183, 20.1169, 20.2165

Square

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



16.7451, 20.1169, 28.5916



21.3318, 20.1169, 29.8059



21.7106, 20.1169, 16.3499



17.0676, 20.1169, 15.5387

Rectangle

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



16.7451, 20.1169, 28.5916



19.1582, 20.1169, 32.6690



21.7106, 20.1169, 16.3499



19.0829, 20.1169, 13.8090

Sweetspot

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



16.7457, 20.1177, 28.5921



39.6126, 43.4603, 51.4287



15.5059, 22.1122, 14.3854



8.7422, 9.6274, 11.4769



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.7457, 20.1177, 28.5921



27.1229, 33.3914, 50.1435



13.4845, 13.5953, 27.5050



5.4731, 5.9419, 6.8872



9.8600, 12.7060, 24.9099



0.1089, 0.1508, 0.2430

Inverse Universe

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



18.5011, 13.8870, 23.1789



30.7440, 21.1858, 38.8320



19.9968, 20.8099, 11.5576



5.5823, 5.4934, 6.5642



12.7800, 6.2690, 15.0246



0.1296, 0.0629, 0.1826

Previews

White Background



This preview shows how the XYZ color 16.7451, 20.1169, 28.5916 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 16.7451, 20.1169, 28.5916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

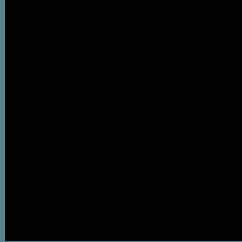
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7451, 20.1169, 28.5916

Background



This preview shows how black text looks on a background with the XYZ color 16.7451, 20.1169, 28.5916.



This preview shows how white text looks on a background with the XYZ color 16.7451, 20.1169,

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

16.7451, 20.1169, 28.5916

Protanopia

19.6244, 20.1096, 26.5141

Deuteranopia

20.2080, 19.8065, 29.1435



Tritanopia

16.7451, 20.1169, 28.5916

Trichromacy



Original Color

16.7451, 20.1169, 28.5916

Protanomaly

18.4277, 20.0370, 27.3224

Deuteranomaly

18.5960, 19.7135, 28.8116

Tritanomaly

16.7451, 20.1169, 28.5916

Monochromacy



Original Color

16.7451, 20.1169, 28.5916

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9771, 18.8240, 22.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7451, 20.1169, 28.5916 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(85, 131, 142) looks like.

```
.text, #text, p{  
    color:rgb(85, 131, 142)  
}
```

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(85, 131, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 131, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.7451, 20.1169, 28.5916 is called "border". The border property can be set on classes, ids or directly on the HTML element.

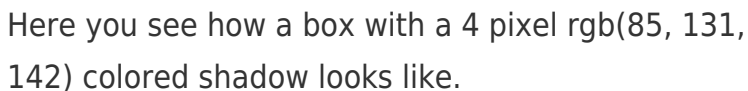
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 131, 142) }
```


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

```
.border{ border-color:rgb(85, 131, 142) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 131, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 131, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 131, 142);  
box-shadow:4px 4px 4px 4px rgb(85, 131,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7451, 20.1169, 28.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 131, 142) }
```

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

```
.background{ background-color: rgb(85, 131,  
142) }
```

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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