

Converting Colors

XYZ(16.8093, 20.2776, 26.3210)

Have a look what the booklet for
XYZ(16.8093, 20.2776, 26.3210)
contains.

XYZ(16.7767, 20.1838, 26.3042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7767, 20.1838,
26.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8388
RGB	90, 131, 136
RGB Percent	35%, 51%, 53%
CMY	0.6470, 0.4863, 0.4667
CMYK	0.34, 0.04, 0.00, 0.47
HSL	187°, 20%, 44%
HSV	187°, 34%, 53%
XYZ	16.7767, 20.1838, 26.3042
YIQ	119.3110, -26.0410, -7.1370

Conversions

Conversions Part 2

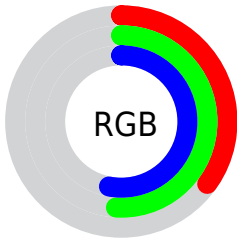
Format	Color
R_{YB}	90, 112, 136
Decimal	5931912
CIE _{Lab}	52.04, -12.82, -7.24
CIE _{LCh}	52, 14.726, 209.467
Yxy	20.1838, 0.2652, 0.3190
Android (android.graphics.Color)	4284121992 (0xFF5A8388)
YUV	119.3110, 8.2277, -25.7057
Hunter-Lab	44.9264, -11.9646, -3.2656

Details

The XYZ color **16.7767, 20.1838, 26.3042** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0914, 14.1572, 11.5579**, and the grayscale version is **17.6142, 18.5316, 20.1809**.

A 20% lighter version of the original color is **37.4811, 43.7059, 54.6047**, and **5.6115, 7.1779, 9.8938** is the 20% darker color. If you saturate the color by 10%, you get **15.3761, 19.1697, 26.1826**, and if you desaturate by 10%, it is **18.4234, 21.3300, 26.4390**.

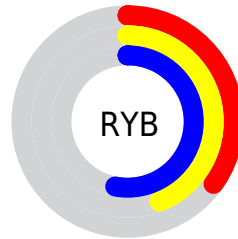
Distribution



Red (35%)

Green (51%)

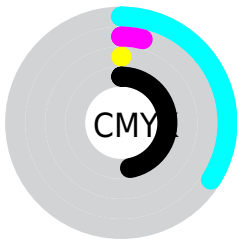
Blue (53%)



Red (35%)

Yellow (44%)

Blue (53%)

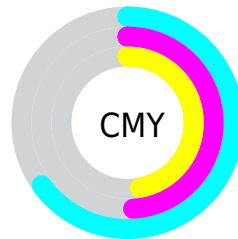


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (47%)



Cyan (65%)

Magenta (49%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7767, 20.1838, 26.3042 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 16.7767, 20.1838, 26.3042 by changing the saturation by 10% instead.

■ 16.7767, 20.1838,
26.3042

■ 16.7767, 20.1838,
26.3042

227.0637,
252.9084, 297.9251

■ 10.1697, 12.5287,
16.8235

■ 37.4881, 43.7251,
54.7554

■ 5.5748, 7.1048,
9.9481

■ 52.3232, 60.3802,
74.5630

■ 2.6265, 3.5277,
5.2594

■ 70.6318, 80.8040,
98.6500

■ 0.9595, 1.4131,
2.3389

■ 92.7792, 105.3809,
127.4350

■ 0.0000, 0.2263,
0.7529

119.1307,
134.4955, 161.3364

■ 0.0000, 0.0000,
0.0000

150.0517,

168.5320, 200.7729

185.9076,
207.8748, 246.1629

■ 16.7767, 20.1838,
26.3042

■ 16.7767, 20.1838,
26.3042

■ 15.3761, 19.1697,
26.1826

■ 18.4234, 21.3300,
26.4390

■ 14.2065, 18.2783,
26.0722

■ 20.3267, 22.6122,
26.5862

■ 13.2542, 17.5031,
25.9728

■ 22.4985, 24.0370,
26.7467

■ 12.5028, 16.8357,
25.8836

■ 24.9495, 25.6101,
26.9212

■ 11.9341, 16.2666,
25.8037

■ 27.6899, 27.3366,
27.1100

■ 11.5253, 15.7840,
25.7321

■ 30.7293, 29.2216,
27.3136

■ 11.3084, 15.5063,
25.6899

■ 34.0769, 31.2696,
27.5325

■ 37.7413, 33.4854,
27.7671

■ 41.7311, 35.8733,
28.0177

Harmonies

Analogous

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



16.4373, 20.1838, 21.8999



16.7767, 20.1838, 26.3042



17.7532, 20.1838, 29.9032

Triad

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



16.7767, 20.1838, 26.3042



21.7822, 20.1838, 26.4547



19.2110, 20.1838, 14.6968

Complementary

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



16.7767, 20.1838, 26.3042



16.0914, 14.1572, 11.5579

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.



20.6898, 20.1838, 15.5916



16.7767, 20.1838, 26.3042



22.2210, 20.1838, 22.0538

Square

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



16.7767, 20.1838, 26.3042



20.6409, 20.1838, 29.9977



21.8114, 20.1838, 18.1520



17.7975, 20.1838, 15.5305

Rectangle

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



16.7767, 20.1838, 26.3042



18.6607, 20.1838, 31.1581



21.8114, 20.1838, 18.1520



19.7172, 20.1838, 14.8034

Sweetspot

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



16.7773, 20.1846, 26.3047



37.1454, 40.7245, 46.9512



15.0685, 20.6014, 13.9142



8.4968, 9.3617, 10.8655



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7773, 20.1846, 26.3047



27.5415, 34.1105, 46.1807



14.0657, 14.7615, 25.4008



5.1272, 5.5974, 6.4160



10.7069, 14.6842, 24.3157



0.0773, 0.1099, 0.1636

Inverse Universe

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



17.9068, 14.1858, 23.2679



29.9026, 21.9181, 39.7544



18.4307, 18.8358, 12.3377



5.2108, 5.1198, 6.1987



12.8912, 6.2666, 17.7290



0.0887, 0.0429, 0.1341

Previews

White Background



This preview shows how the XYZ color 16.7767, 20.1838, 26.3042 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 16.7767, 20.1838, 26.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

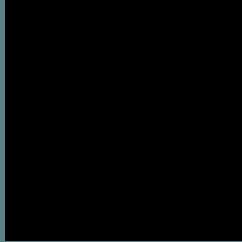
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

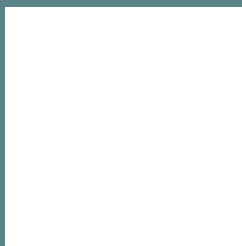
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7767, 20.1838, 26.3042

Background



This preview shows how black text looks on a background with the XYZ color 16.7767, 20.1838, 26.3042.



This preview shows how white text looks on a background with the XYZ color 16.7767, 20.1838,

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

16.7767, 20.1838, 26.3042

Protanopia

19.4919, 20.0897, 24.3231

Deuteranopia

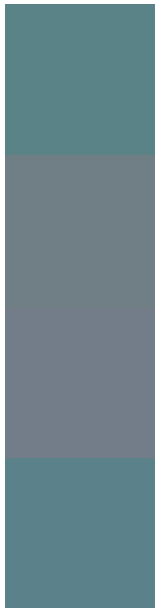
20.3572, 19.9350, 26.8197



Tritanopia

17.1047, 20.1125, 28.1799

Trichromacy



Original Color

16.7767, 20.1838, 26.3042

Protanomaly

18.3766, 20.0599, 25.0937

Deuteranomaly

18.7932, 19.8663, 26.5110

Tritanomaly

16.9572, 20.0535, 27.4031

Monochromacy



Original Color

16.7767, 20.1838, 26.3042

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9690, 18.8347, 22.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7767, 20.1838, 26.3042 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, 131, 136) looks like.

```
.text, #text, p{  
    color:rgb(90, 131, 136)  
}
```

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, 131, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 131, 136) }
```

Border

The CSS property to change the border of an element to XYZ 16.7767, 20.1838, 26.3042 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, 131, 136) }
```


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

```
.border{ border-color:rgb(90, 131, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 131, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 131, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 131, 136);  
box-shadow:4px 4px 4px 4px rgb(90, 131,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7767, 20.1838, 26.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 131, 136) }
```

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

```
.background{ background-color: rgb(90, 131,  
136) }
```

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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