

Converting Colors

XYZ(16.7269, 19.5871, 20.9696)

Have a look what the booklet for
XYZ(16.7269, 19.5871, 20.9696)
contains.

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Color

**XYZ(16.7639, 19.7024,
21.0085)**

Conversions

Conversions Part 1

Format	Color
Hex	678079
RGB	103, 128, 121
RGB Percent	40%, 50%, 47%
CMY	0.5961, 0.4980, 0.5255
CMYK	0.20, 0.00, 0.05, 0.50
HSL	163°, 11%, 45%
HSV	163°, 20%, 50%
XYZ	16.7639, 19.7024, 21.0085
YIQ	119.7270, -12.6530, -7.4770

Conversions

Conversions Part 2

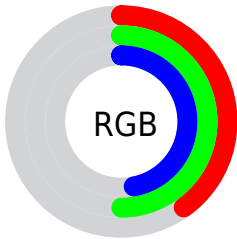
Format	Color
R_{YB}	103, 118, 128
Decimal	6783097
CIE _{Lab}	51.50, -10.54, 0.81
CIE _{LCh}	51, 10.572, 175.614
Yxy	19.7024, 0.2917, 0.3428
Android (android.graphics.Color)	4284973177 (0xFF678079)
YUV	119.7270, 0.6276, -14.6696
Hunter-Lab	44.3874, -10.2634, 3.0093

Details

The XYZ color **16.7639, 19.7024, 21.0085** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5676, 15.4161, 16.8552**, and the grayscale version is **17.7669, 18.6921, 20.3557**.

A 20% lighter version of the original color is **37.3931, 42.9349, 45.8516**, and **5.5741, 6.8852, 7.3385** is the 20% darker color. If you saturate the color by 10%, you get **15.1910, 18.9170, 19.8088**, and if you desaturate by 10%, it is **18.5709, 20.6086, 22.2626**.

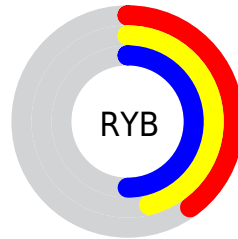
Distribution



Red (40%)

Green (50%)

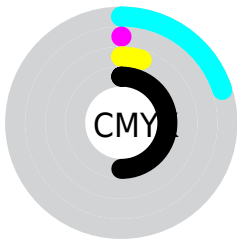
Blue (47%)



Red (40%)

Yellow (46%)

Blue (50%)

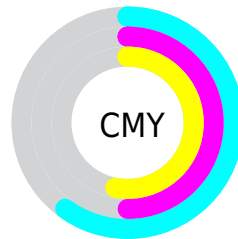


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (50%)



Cyan (60%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7639, 19.7024, 21.0085 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 16.7639, 19.7024, 21.0085 by changing the saturation by 10% instead.

■ 16.7639, 19.7024,
21.0085

■ 16.7639, 19.7024,
21.0085

226.9910,
250.2995, 270.1062

■ 10.1606, 12.1789,
12.9389

■ 37.4662, 42.9177,
45.9827

■ 5.5686, 6.8656,
7.2563

■ 52.2959, 59.3782,
63.7243

■ 2.6227, 3.3782,
3.5420

■ 70.5984, 79.5866,
85.5270

■ 0.9576, 1.3322,
1.3776

■ 92.7392, 103.9272,
111.8094

■ 0.0000, 0.1660,
0.1242

119.0834,
132.7844, 142.9900

■ 0.0000, 0.0000,
0.0000

149.9966,

166.5425, 179.4873

185.8440,
205.5861, 221.7198

■ 16.7639, 19.7024,
21.0085

■ 16.7639, 19.7024,
21.0085

■ 15.1910, 18.9170,
19.8088

■ 18.5709, 20.6086,
22.2626

■ 13.8402, 18.2446,
18.6613

■ 20.6200, 21.6381,
23.5708

■ 12.7011, 17.6805,
17.5655

■ 22.9207, 22.7964,
24.9343

■ 11.7615, 17.2183,
16.5202

■ 25.4817, 24.0879,
26.3539

■ 11.0083, 16.8512,
15.5245

■ 28.3112, 25.5168,
27.8306

■ 10.4264, 16.5716,
14.5770

■ 31.4170, 27.0871,
29.3650

■ 9.9985, 16.3705,
13.6766

■ 34.8066, 28.8028,
30.9579

■ 9.6729, 16.2213,
12.8203

■ 38.4872, 30.6674,
32.6102

■ 9.6580, 16.2145,
12.7812

■ 42.4657, 32.6846,
34.3224

Harmonies

Analogous

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



17.0918, 19.7024, 18.3171



16.7639, 19.7024, 21.0085



16.9453, 19.7024, 24.0806

Triad

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



16.7639, 19.7024, 21.0085



19.6230, 19.7024, 27.1683



19.9033, 19.7024, 16.9803

Complementary

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



16.7639, 19.7024, 21.0085



16.5676, 15.4161, 16.8552

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.



20.6284, 19.7024, 19.0230



16.7639, 19.7024, 21.0085



20.4623, 19.7024, 24.9269

Square

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



16.7639, 19.7024, 21.0085



18.5708, 19.7024, 27.8261



20.8367, 19.7024, 21.9028



18.8831, 19.7024, 16.1351

Rectangle

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



16.7639, 19.7024, 21.0085



17.3345, 19.7024, 25.9079



20.8367, 19.7024, 21.9028



20.1911, 19.7024, 17.5397

Sweetspot

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



16.7645, 19.7032, 21.0089



33.8711, 36.8732, 39.9658



16.6088, 19.7388, 15.7669



7.8873, 8.6115, 9.3293



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7645, 19.7032, 21.0089



28.3595, 34.1110, 36.1320



16.5218, 18.5056, 23.1242



4.3967, 4.8670, 5.2600



9.5768, 16.0773, 12.6760



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5676, 15.4161, 16.8552



27.9537, 25.2651, 27.5637



16.7576, 16.3823, 15.1112



4.3735, 4.3625, 4.7711



9.1411, 4.6761, 2.0666



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7639, 19.7024, 21.0085 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 16.7639, 19.7024, 21.0085 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

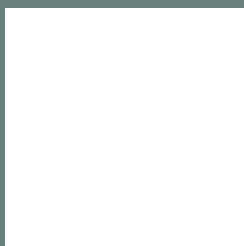
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7639, 19.7024, 21.0085

Background



This preview shows how black text looks on a background with the XYZ color 16.7639, 19.7024, 21.0085.



This preview shows how white text looks on a background with the XYZ color 16.7639, 19.7024,

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

16.7639, 19.7024, 21.0085

Protanopia

18.8337, 19.6627, 19.9422

Deuteranopia

20.0035, 19.6920, 21.4855



Tritanopia

17.8486, 19.7635, 26.1666

Trichromacy



Original Color

16.7639, 19.7024, 21.0085

Protanomaly

18.0086, 19.5988, 20.2865

Deuteranomaly

18.6408, 19.5352, 21.2005

Tritanomaly

17.5118, 19.8207, 24.3755

Monochromacy



Original Color

16.7639, 19.7024, 21.0085

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4126, 19.0994, 20.5381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7639, 19.7024, 21.0085 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(103, 128, 121)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 121)  
}
```

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(103, 128, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.7639, 19.7024, 21.0085 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(103, 128, 121) }
```


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

```
.border{ border-color:rgb(103, 128, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 128, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 121);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7639, 19.7024, 21.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 121) }
```

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

```
.background{ background-color: rgb(103,  
128, 121) }
```

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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