

Converting Colors

XYZ(16.9207, 16.6173, 20.8582)

Have a look what the booklet for
XYZ(16.9207, 16.6173, 20.8582)
contains.

XYZ(16.8345, 16.5501, 20.7196)	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(16.8345, 16.5501,
20.7196)**

Conversions

Conversions Part 1

Format	Color
Hex	786E7A
RGB	120, 110, 122
RGB Percent	47%, 43%, 48%
CMY	0.5294, 0.5686, 0.5216
CMYK	0.02, 0.10, 0.00, 0.52
HSL	290°, 5%, 45%
HSV	290°, 10%, 48%
XYZ	16.8345, 16.5501, 20.7196
YIQ	114.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

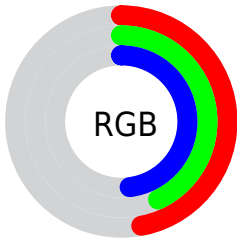
Format	Color
R_{YB}	120, 110, 122
Decimal	7892602
CIE Lab	47.69, 6.28, -5.23
CIE LCh	48, 8.171, 320.205
Yxy	16.5501, 0.3111, 0.3059
Android (android.graphics.Color)	4286082682 (0xFF786E7A)
YUV	114.3580, 3.7675, 4.9480
Hunter-Lab	40.6818, 2.6717, -1.7196

Details

The XYZ color **16.8345, 16.5501, 20.7196** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4568, 18.4901, 17.4543**, and the grayscale version is **16.0908, 16.9287, 18.4354**.

A 20% lighter version of the original color is **37.5736, 37.6673, 45.3346**, and **5.5977, 5.3040, 7.0321** is the 20% darker color. If you saturate the color by 10%, you get **15.3289, 13.9529, 20.2979**, and if you desaturate by 10%, it is **18.5284, 19.5143, 21.2027**.

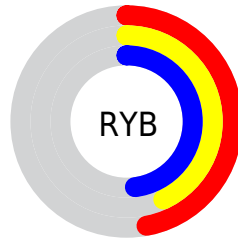
Distribution



Red (47%)

Green (43%)

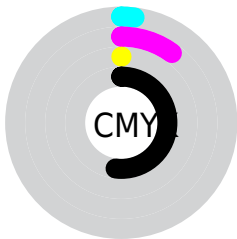
Blue (48%)



Red (47%)

Yellow (43%)

Blue (48%)

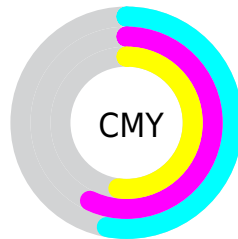


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (57%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8345, 16.5501, 20.7196 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 16.8345, 16.5501, 20.7196 by changing the saturation by 10% instead.

■ 16.8345, 16.5501,
20.7196

■ 16.8345, 16.5501,
20.7196

227.3917,
232.5662, 268.5165

■ 10.2111, 9.9142,
12.7300

■ 37.5869, 37.5506,
45.4951

■ 5.6025, 5.3421,
7.1143

■ 52.4466, 52.6840,
63.1181

■ 2.6433, 2.4494,
3.4542

■ 70.7825, 71.4188,
84.7892

■ 0.9681, 0.8511,
1.3310

■ 92.9599, 94.1393,
110.9270

■ 0.0000, 0.0000,
0.0870

119.3441,
121.2299, 141.9502

■ 0.0000, 0.0000,
0.0000

150.3006,

153.0750, 178.2771

186.1947,
190.0589, 220.3263

■ 16.8345, 16.5501,
20.7196

■ 16.8345, 16.5501,
20.7196

■ 15.3289, 13.9529,
20.2979

■ 18.5284, 19.5143,
21.2027

■ 14.0026, 11.7059,
19.9341

■ 20.4160, 22.8573,
21.7485

■ 12.8482, 9.7940,
19.6259

■ 22.5044, 26.5929,
22.3595

■ 11.8574, 8.2002,
19.3705

■ 24.7999, 30.7337,
23.0377

■ 11.0207, 6.9061,
19.1648

■ 27.3086, 35.2917,
23.7853

■ 10.3280, 5.8914,
19.0055

■ 30.0362, 40.2783,
24.6040

■ 9.7678, 5.1332,
18.8886

■ 32.9882, 45.7045,
25.4958

■ 9.3268, 4.6048,
18.8099

■ 36.1700, 51.5811,
26.4624

■ 8.9600, 4.2165,
18.7543

■ 39.5867, 57.9182,
27.5055

Harmonies

Analogous

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



16.2205, 16.5501, 22.0653



16.8345, 16.5501, 20.7196



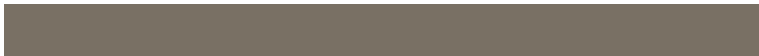
17.1556, 16.5501, 18.7133

Triad

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



16.8345, 16.5501, 20.7196



15.9705, 16.5501, 14.3396



14.4486, 16.5501, 19.4457

Complementary

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



16.8345, 16.5501, 20.7196



16.4568, 18.4901, 17.4543

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.



14.3864, 16.5501, 17.3445



16.8345, 16.5501, 20.7196



15.2502, 16.5501, 14.5025

Square

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



16.8345, 16.5501, 20.7196



16.6466, 16.5501, 15.1027



14.6756, 16.5501, 15.5662



14.8484, 16.5501, 21.2912

Rectangle

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



16.8345, 16.5501, 20.7196



17.1537, 16.5501, 17.3169



14.6756, 16.5501, 15.5662



14.3880, 16.5501, 18.7424

Sweetspot

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



16.8350, 16.5508, 20.7200



31.5950, 32.5708, 37.0145



15.7603, 16.3535, 20.7385



7.1747, 7.3606, 8.4493



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8350, 16.5508, 20.7200



28.9368, 27.9367, 36.2601



16.8844, 16.6030, 19.5172



4.0920, 4.0453, 5.0083



9.4211, 4.4295, 19.7437



44.3234, 20.8116, 94.1507

Inverse Universe

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



16.5273, 16.4601, 17.6363



28.2758, 27.7433, 29.5706



16.4165, 18.4449, 18.5557



4.0231, 4.0249, 4.3191



8.5840, 4.4097, 1.1001



40.7276, 20.9474, 4.0955

Previews

White Background



This preview shows how the XYZ color 16.8345, 16.5501, 20.7196 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 16.8345, 16.5501, 20.7196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

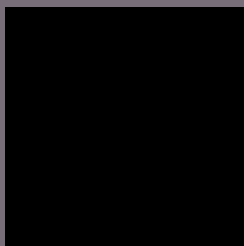
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8345, 16.5501, 20.7196

Background



This preview shows how black text looks on a background with the XYZ color 16.8345, 16.5501, 20.7196.

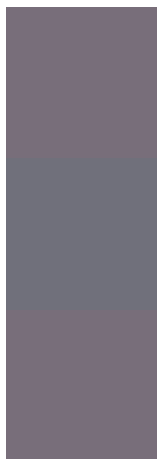


This preview shows how white text looks on a background with the XYZ color 16.8345, 16.5501,

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

16.8345, 16.5501, 20.7196

Protanopia

16.0514, 16.4631, 21.0706

Deuteranopia

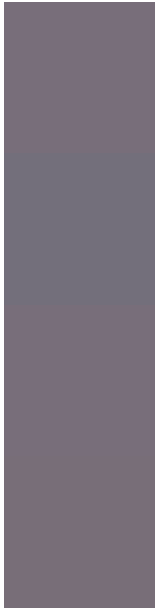
16.8345, 16.5501, 20.7196



Tritanopia

16.6514, 16.4768, 19.7555

Trichromacy



Original Color

16.8345, 16.5501, 20.7196

Protanomaly

16.3298, 16.4438, 21.0522

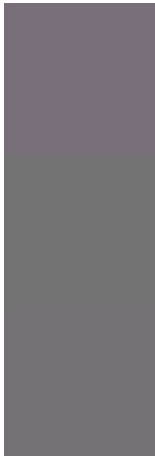
Deuteranomaly

16.8345, 16.5501, 20.7196

Tritanomaly

16.7118, 16.5010, 20.0735

Monochromacy



Original Color

16.8345, 16.5501, 20.7196

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3185, 16.8076, 19.2137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8345, 16.5501, 20.7196 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(120, 110, 122)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 122)  
}
```

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(120, 110, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.8345, 16.5501, 20.7196 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(120, 110, 122) }
```


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

```
.border{ border-color:rgb(120, 110, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 122);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8345, 16.5501, 20.7196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 122) }
```

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

```
.background{ background-color: rgb(120,  
110, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor