

Converting Colors

XYZ(16.7145, 16.1134, 20.3529)

Have a look what the booklet for
XYZ(16.7145, 16.1134, 20.3529)
contains.

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Color

**XYZ(16.6989, 16.1705,
20.3303)**

Conversions

Conversions Part 1

Format	Color
Hex	796C79
RGB	121, 108, 121
RGB Percent	47%, 42%, 47%
CMY	0.5255, 0.5765, 0.5255
CMYK	0.00, 0.11, 0.00, 0.53
HSL	300°, 6%, 45%
HSV	300°, 11%, 47%
XYZ	16.6989, 16.1705, 20.3303
YIQ	113.3690, 3.5750, 6.7990

Conversions

Conversions Part 2

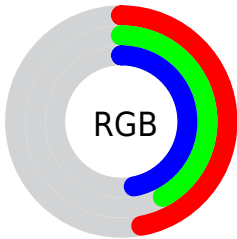
Format	Color
R_{YB}	121, 108, 121
Decimal	7957625
CIE Lab	47.20, 7.64, -5.35
CIE LCh	47, 9.325, 324.984
Yxy	16.1705, 0.3139, 0.3040
Android (android.graphics.Color)	4286147705 (0xFF796C79)
YUV	113.3690, 3.7621, 6.6924
Hunter-Lab	40.2126, 3.7530, -1.8265

Details

The XYZ color **16.6989, 16.1705, 20.3303** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7291, 17.9460, 16.8230**, and the grayscale version is **15.7944, 16.6170, 18.0959**.

A 20% lighter version of the original color is **37.1745, 36.6976, 44.6592**, and **5.5438, 5.1962, 7.0141** is the 20% darker color. If you saturate the color by 10%, you get **15.5105, 13.7935, 19.9344**, and if you desaturate by 10%, it is **18.0654, 18.9032, 20.7860**.

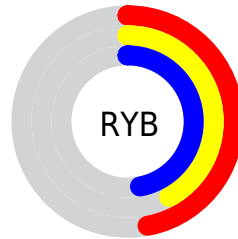
Distribution



Red (47%)

Green (42%)

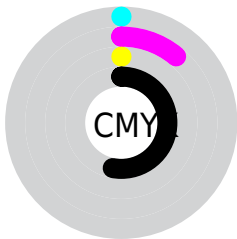
Blue (47%)



Red (47%)

Yellow (42%)

Blue (47%)

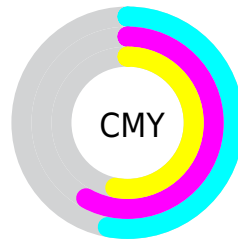


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6989, 16.1705, 20.3303 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 16.6989, 16.1705, 20.3303 by changing the saturation by 10% instead.

■ 16.6989, 16.1705,
20.3303

■ 16.6989, 16.1705,
20.3303

226.6214,
230.3457, 266.3608

■ 10.1140, 9.6449,
12.4489

■ 37.3551, 36.8939,
44.8365

■ 5.5375, 5.1641,
6.9239

■ 52.1571, 51.8606,
62.2984

■ 2.6039, 2.3439,
3.3369

■ 70.4289, 70.4096,
83.7908

■ 0.9479, 0.7968,
1.2691

■ 92.5357, 92.9256,
109.7324

■ 0.0000, 0.0000,
0.0363

118.8431,
119.7928, 140.5417

■ 0.0000, 0.0000,
0.0000

149.7162,

151.3956, 176.6371

185.5206,
188.1184, 218.4373

■ 16.6989, 16.1705,
20.3303

■ 16.6989, 16.1705,
20.3303

■ 15.5105, 13.7935,
19.9344

■ 18.0654, 18.9032,
20.7860

■ 14.4915, 11.7555,
19.5947

■ 19.6153, 22.0031,
21.3026

■ 13.6347, 10.0419,
19.3091

■ 21.3557, 25.4839,
21.8828

■ 12.9316, 8.6357,
19.0747

■ 23.2927, 29.3579,
22.5284

■ 12.3732, 7.5189,
18.8886

■ 25.4322, 33.6369,
23.2416

■ 11.9495, 6.6714,
18.7473

■ 27.7798, 38.3321,
24.0241

■ 11.6490, 6.0704,
18.6472

■ 30.3410, 43.4544,
24.8779

■ 11.4585, 5.6895,
18.5837

■ 33.1209, 49.0142,
25.8045

■ 11.3365, 5.4455,
18.5430

■ 36.1245, 55.0215,
26.8057

Harmonies

Analogous

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



16.0459, 16.1705, 22.0306



16.6989, 16.1705, 20.3303



16.9962, 16.1705, 18.0051

Triad

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



16.6989, 16.1705, 20.3303



15.5080, 16.1705, 13.4767



13.9828, 16.1705, 19.5861

Complementary

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



16.6989, 16.1705, 20.3303



15.7291, 17.9460, 16.8230

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.



13.8502, 16.1705, 17.2146



16.6989, 16.1705, 20.3303



14.7125, 16.1705, 13.8190

Square

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



16.6989, 16.1705, 20.3303



16.2932, 16.1705, 14.1580



14.1127, 16.1705, 15.1383



14.4815, 16.1705, 21.5748

Rectangle

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



16.6989, 16.1705, 20.3303



16.9453, 16.1705, 16.4638



14.1127, 16.1705, 15.1383



13.8947, 16.1705, 18.8018

Sweetspot

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



16.6994, 16.1712, 20.3307



31.7502, 32.6508, 37.0217



14.9988, 15.2945, 20.2511



7.2184, 7.3831, 8.4513



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.



16.6994, 16.1712, 20.3307



29.3240, 27.7986, 36.2130



16.3140, 16.0171, 18.3015



4.1545, 4.0775, 5.0113



12.1486, 5.8356, 19.8714



57.9501, 27.8364, 94.7884

Inverse Universe

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



16.6994, 16.1712, 20.3307



29.3240, 27.7986, 36.2130



16.0881, 18.0896, 18.7135



4.1545, 4.0775, 5.0113



12.1486, 5.8356, 19.8714



57.9501, 27.8364, 94.7884

Previews

White Background



This preview shows how the XYZ color 16.6989, 16.1705, 20.3303 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 16.6989, 16.1705, 20.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

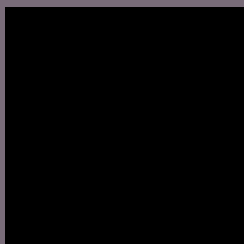
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6989, 16.1705, 20.3303

Background



This preview shows how black text looks on a background with the XYZ color 16.6989, 16.1705, 20.3303.



This preview shows how white text looks on a background with the XYZ color 16.6989, 16.1705,

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

16.6989, 16.1705, 20.3303

Protanopia

15.8151, 16.1784, 21.0281

Deuteranopia

16.5276, 16.2397, 20.3526



Tritanopia

16.4253, 16.2147, 19.0937

Trichromacy



Original Color

16.6989, 16.1705, 20.3303

Protanomaly

16.1590, 16.2018, 20.6879

Deuteranomaly

16.6656, 16.3108, 20.3591

Tritanomaly

16.4844, 16.2384, 19.4050

Monochromacy



Original Color

16.6989, 16.1705, 20.3303

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0393, 16.3428, 18.8321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6989, 16.1705, 20.3303 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(121, 108, 121)` looks like.

```
.text, #text, p{  
    color:rgb(121, 108, 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(121, 108, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 108, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.6989, 16.1705, 20.3303 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(121, 108, 121) }
```


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

```
.border{ border-color:rgb(121, 108, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 108, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 108, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 108, 121); box-shadow:4px 4px 4px 4px rgb(121, 108, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6989, 16.1705, 20.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 108, 121) }
```

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

```
.background{ background-color: rgb(121,  
108, 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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