

Converting Colors

XYZ(16.7305, 16.8503, 20.9132)

Have a look what the booklet for
XYZ(16.7305, 16.8503, 20.9132)
contains.

XYZ(16.6431, 16.7754, 20.7731)	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(16.6431, 16.7754,
20.7731)**

Conversions

Conversions Part 1

Format	Color
Hex	75707A
RGB	117, 112, 122
RGB Percent	46%, 44%, 48%
CMY	0.5412, 0.5608, 0.5216
CMYK	0.04, 0.08, 0.00, 0.52
HSL	270°, 4%, 46%
HSV	270°, 8%, 48%
XYZ	16.6431, 16.7754, 20.7731
YIQ	114.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

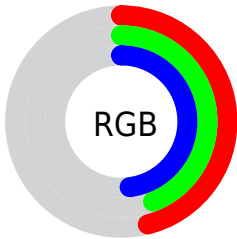
Format	Color
R_{YB}	117, 112, 122
Decimal	7696506
CIE Lab	47.98, 3.97, -4.83
CIE LCh	48, 6.254, 309.402
Yxy	16.7754, 0.3071, 0.3096
Android (android.graphics.Color)	4285886586 (0xFF75707A)
YUV	114.6350, 3.6309, 2.0741
Hunter-Lab	40.9578, 0.8569, -1.4004

Details

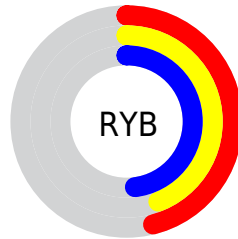
The XYZ color **16.6431, 16.7754, 20.7731** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2210, 18.8713, 18.0650**, and the grayscale version is **16.1751, 17.0175, 18.5320**.

A 20% lighter version of the original color is **37.2776, 38.0419, 45.4225**, and **5.4902, 5.4130, 7.0588** is the 20% darker color. If you saturate the color by 10%, you get **14.5940, 13.8547, 20.3176**, and if you desaturate by 10%, it is **18.9290, 20.0899, 21.2926**.

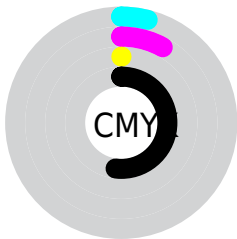
Distribution



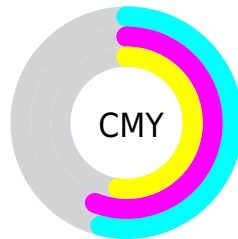
- Red (46%)
- Green (44%)
- Blue (48%)



- Red (46%)
- Yellow (44%)
- Blue (48%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (52%)



- Cyan (54%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6431, 16.7754, 20.7731 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 16.6431, 16.7754, 20.7731 by changing the saturation by 10% instead.

■ 16.6431, 16.7754,
20.7731

■ 16.6431, 16.7754,
20.7731

226.3038,
233.8747, 268.8115

■ 10.0741, 10.0745,
12.7686

■ 37.2596, 37.9392,
45.5855

■ 5.5107, 5.4484,
7.1406

■ 52.0378, 53.1709,
63.2305

■ 2.5877, 2.5127,
3.4704

■ 70.2831, 72.0149,
84.9260

■ 0.9397, 0.8830,
1.3395

■ 92.3609, 94.8558,
111.0907

■ 0.0000, 0.0000,
0.0939

118.6365,
122.0778, 142.1431

■ 0.0000, 0.0000,
0.0000

149.4753,

154.0653, 178.5016

185.2426,
191.2029, 220.5849

■ 16.6431, 16.7754,
20.7731

■ 16.6431, 16.7754,
20.7731

■ 14.5940, 13.8547,
20.3176

■ 18.9290, 20.0899,
21.2926

■ 12.7720, 11.3106,
19.9226

■ 21.4582, 23.8104,
21.8775

■ 11.1688, 9.1277,
19.5857

■ 24.2386, 27.9510,
22.5301

■ 9.7749, 7.2887,
19.3042

■ 27.2773, 32.5247,
23.2528

■ 8.5801, 5.7749,
19.0750

■ 30.5812, 37.5438,
24.0474

7.5733, 4.5658,
18.8947

34.1568, 43.0201,
24.9160

6.7421, 3.6383,
18.7595

38.0106, 48.9651,
25.8604

6.0724, 2.9659,
18.6650

42.1486, 55.3897,
26.8824

5.5288, 2.4799,
18.5998

46.5767, 62.3045,
27.9837

Harmonies

Analogous

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



16.1224, 16.7754, 21.5055



16.6431, 16.7754, 20.7731



16.9817, 16.7754, 19.3806

Triad

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



16.6431, 16.7754, 20.7731



16.3292, 16.7754, 15.5088



14.8980, 16.7754, 18.7778

Complementary

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



16.6431, 16.7754, 20.7731



17.2210, 18.8713, 18.0650

Split Complementary

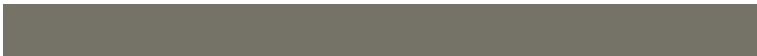
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.9504, 16.7754, 17.1941



16.6431, 16.7754, 20.7731



15.7680, 16.7754, 15.3686

Square

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



16.6431, 16.7754, 20.7731



16.7976, 16.7754, 16.3635



15.2658, 16.7754, 15.9684



15.1208, 16.7754, 20.3096

Rectangle

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



16.6431, 16.7754, 20.7731



17.0541, 16.7754, 18.2980



15.2658, 16.7754, 15.9684



14.8841, 16.7754, 18.2331

Sweetspot

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



16.6436, 16.7761, 20.7735



31.7021, 33.0139, 37.0943



16.5763, 17.6120, 20.9384



7.2631, 7.5695, 8.4849



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.



16.6436, 16.7761, 20.7735



28.5096, 28.4068, 36.3733



17.3100, 17.1196, 20.8047



3.9707, 3.9828, 5.0027



5.7140, 2.5184, 19.5702



26.2746, 11.5071, 93.3060

Inverse Universe

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



17.0317, 17.0111, 19.2164



29.3573, 28.9200, 32.9723



16.5881, 18.5450, 18.0354



4.0741, 4.0454, 4.5879



9.3332, 4.7094, 5.0455



44.0906, 22.2926, 21.8052

Previews

White Background



This preview shows how the XYZ color 16.6431, 16.7754, 20.7731 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 16.6431, 16.7754, 20.7731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

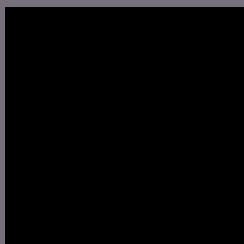
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6431, 16.7754, 20.7731

Background



This preview shows how black text looks on a background with the XYZ color 16.6431, 16.7754, 20.7731.



This preview shows how white text looks on a background with the XYZ color 16.6431, 16.7754,

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

16.6431, 16.7754, 20.7731

Protanopia

16.2903, 16.7510, 21.1136

Deuteranopia

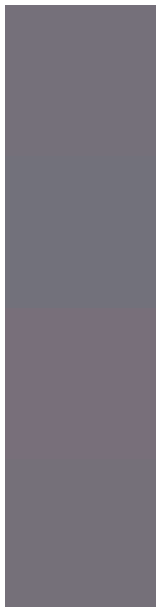
17.0824, 16.8390, 20.7623



Tritanopia

16.5815, 16.7507, 20.4484

Trichromacy



Original Color

16.6431, 16.7754, 20.7731

Protanomaly

16.4197, 16.8177, 21.1196

Deuteranomaly

16.9430, 16.7671, 20.7557

Tritanomaly

16.5815, 16.7507, 20.4484

Monochromacy



Original Color

16.6431, 16.7754, 20.7731

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4898, 17.0556, 19.5625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6431, 16.7754, 20.7731 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(117, 112, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 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(117, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.6431, 16.7754, 20.7731 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(117, 112, 122) }
```


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

```
.border{ border-color:rgb(117, 112, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6431, 16.7754, 20.7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 122) }
```

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

```
.background{ background-color: rgb(117,  
112, 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](#).

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