

Converting Colors

XYZ(15.5041, 17.0757, 21.0214)

Have a look what the booklet for
XYZ(15.5041, 17.0757, 21.0214)
contains.

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Color

**XYZ(15.4677, 17.0113,
20.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	67757A
RGB	103, 117, 122
RGB Percent	40%, 46%, 48%
CMY	0.5961, 0.5412, 0.5216
CMYK	0.16, 0.04, 0.00, 0.52
HSL	196°, 8%, 44%
HSV	196°, 16%, 48%
XYZ	15.4677, 17.0113, 20.8806
YIQ	113.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

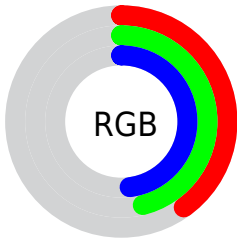
Format	Color
R_{YB}	103, 111, 122
Decimal	6780282
CIE Lab	48.27, -4.06, -4.52
CIE LCh	48, 6.075, 228.023
Yxy	17.0113, 0.2899, 0.3188
Android (android.graphics.Color)	4284970362 (0xFF67757A)
YUV	113.3840, 4.2477, -9.1068
Hunter-Lab	41.2448, -5.2369, -1.1449

Details

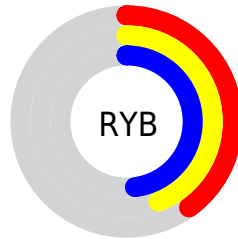
The XYZ color **15.4677, 17.0113, 20.8806** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8370, 15.8420, 15.0555**, and the grayscale version is **15.8004, 16.6233, 18.1028**.

A 20% lighter version of the original color is **35.1544, 38.3020, 45.5846**, and **4.9616, 5.5780, 7.1185** is the 20% darker color. If you saturate the color by 10%, you get **13.8017, 15.6072, 20.6977**, and if you desaturate by 10%, it is **17.3517, 18.5477, 21.0781**.

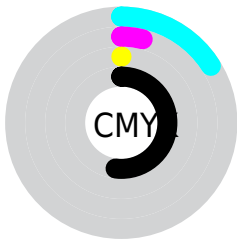
Distribution



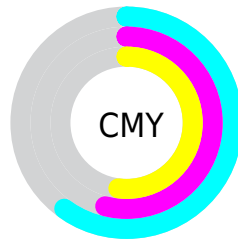
- Red (40%)
- Green (46%)
- Blue (48%)



- Red (40%)
- Yellow (44%)
- Blue (48%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4677, 17.0113, 20.8806 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 15.4677, 17.0113, 20.8806 by changing the saturation by 10% instead.

■ 15.4677, 17.0113,
20.8806

■ 15.4677, 17.0113,
20.8806

219.5126,
235.2375, 269.4034

■ 9.2367, 10.2425,
12.8464

■ 35.2366, 38.3452,
45.7669

■ 4.9543, 5.5601,
7.1934

■ 49.5052, 53.6791,
63.4561

■ 2.2549, 2.5795,
3.5030

■ 67.1837, 72.6369,
85.2007

■ 0.7715, 0.9164,
1.3569

■ 88.6375, 95.6030,
111.4192

■ 0.0000, 0.0000,
0.1077

114.2319,
122.9617, 142.5302

■ 0.0000, 0.0000,
0.0000

144.3323,

155.0974, 178.9522

179.3041,
192.3945, 221.1038

■ 15.4677, 17.0113,
20.8806

■ 15.4677, 17.0113,
20.8806

■ 13.8017, 15.6072,
20.6977

■ 17.3517, 18.5477,
21.0781

■ 12.3434, 14.3286,
20.5277

■ 19.4606, 20.2189,
21.2895

■ 11.0836, 13.1710,
20.3707

■ 21.8030, 22.0297,
21.5156

■ 10.0119, 12.1288,
20.2260

■ 24.3862, 23.9844,
21.7568

■ 9.1171, 11.1961,
20.0931

■ 27.2176, 26.0867,
22.0133

■ 8.3864, 10.3660,
19.9714

■ 30.3039, 28.3404,
22.2857

■ 7.8055, 9.6310,
19.8602

■ 33.6519, 30.7491,
22.5741

■ 7.3496, 8.9781,
19.7582

■ 37.2678, 33.3162,
22.8790

■ 7.1611, 8.7016,
19.7147

■ 41.1578, 36.0451,
23.2007

Harmonies

Analogous

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



15.1782, 17.0113, 19.4810



15.4677, 17.0113, 20.8806



15.9490, 17.0113, 21.6650

Triad

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



15.4677, 17.0113, 20.8806



17.2317, 17.0113, 19.1618



15.8419, 17.0113, 15.7740

Complementary

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



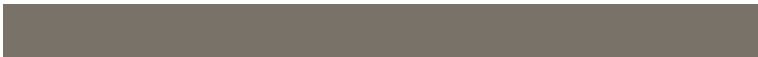
15.4677, 17.0113, 20.8806



15.8370, 15.8420, 15.0555

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.



16.3905, 17.0113, 15.6994



15.4677, 17.0113, 20.8806



17.2014, 17.0113, 17.5958

Square

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



15.4677, 17.0113, 20.8806



16.9724, 17.0113, 20.6355



16.8906, 17.0113, 16.3488



15.3908, 17.0113, 16.5588

Rectangle

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



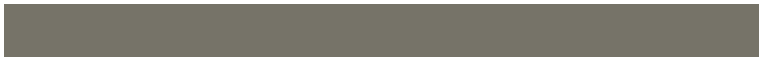
15.4677, 17.0113, 20.8806



16.3176, 17.0113, 21.7056



16.8906, 17.0113, 16.3488



16.0207, 17.0113, 15.6668

Sweetspot

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



15.4682, 17.0120, 20.8810



30.6857, 32.7584, 37.0986



15.2469, 17.8803, 16.7657



6.9712, 7.4540, 8.4780



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.



15.4682, 17.0120, 20.8810



26.0293, 28.9418, 36.6073



14.4430, 14.9616, 20.5392



4.0221, 4.3425, 5.0694



7.5325, 9.1474, 20.7539



35.2088, 42.1903, 98.7576

Inverse Universe

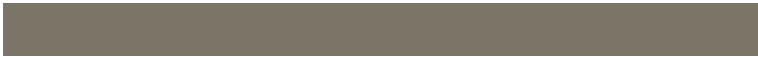
The Inverse Universe completely reimagines the original color for something new.



16.0876, 15.1229, 18.9015



27.3683, 24.9419, 32.3094



16.8650, 17.8981, 15.3982



4.1116, 4.0604, 4.7854



10.3854, 5.1303, 10.5862



49.1749, 24.3263, 48.5787

Previews

White Background



This preview shows how the XYZ color 15.4677, 17.0113, 20.8806 looks on a white background.

Color Contrast Check

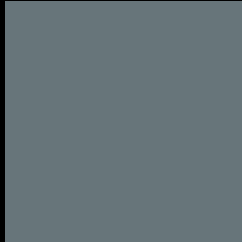
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4677, 17.0113, 20.8806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

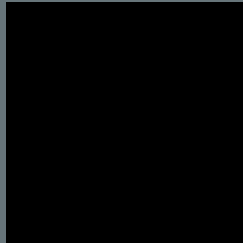
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4677, 17.0113, 20.8806

Background



This preview shows how black text looks on a background with the XYZ color 15.4677, 17.0113, 20.8806.



This preview shows how white text looks on a background with the XYZ color 15.4677, 17.0113,

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

15.4677, 17.0113, 20.8806

Protanopia

16.4777, 17.0355, 20.1890

Deuteranopia

17.2856, 16.9365, 21.0969



Tritanopia

15.7202, 16.9402, 22.1799

Trichromacy



Original Color

15.4677, 17.0113, 20.8806

Protanomaly

16.1375, 17.0215, 20.5241

Deuteranomaly

16.5505, 16.8852, 21.1257

Tritanomaly

15.6560, 16.9145, 21.8417

Monochromacy



Original Color

15.4677, 17.0113, 20.8806

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4764, 16.5468, 18.9012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4677, 17.0113, 20.8806 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, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.4677, 17.0113, 20.8806 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, 117, 122) }
```


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

```
.border{ border-color:rgb(103, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4677, 17.0113, 20.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 122) }
```

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

```
.background{ background-color: rgb(103,  
117, 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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