

Converting Colors

XYZ(18.5642, 20.9439, 20.6709)

Have a look what the booklet for
XYZ(18.5642, 20.9439, 20.6709)
contains.

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Color

**XYZ(18.6485, 21.0791,
20.5386)**

Conversions

Conversions Part 1

Format	Color
Hex	758277
RGB	117, 130, 119
RGB Percent	46%, 51%, 47%
CMY	0.5412, 0.4902, 0.5333
CMYK	0.10, 0.00, 0.08, 0.49
HSL	129°, 5%, 48%
HSV	129°, 10%, 51%
XYZ	18.6485, 21.0791, 20.5386
YIQ	124.8590, -4.2170, -6.1770

Conversions

Conversions Part 2

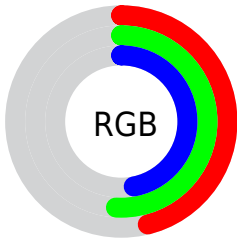
Format	Color
R_{YB}	117, 128, 130
Decimal	7701111
CIE Lab	53.04, -7.03, 4.33
CIE LCh	53, 8.254, 148.387
Yxy	21.0791, 0.3094, 0.3498
Android (android.graphics.Color)	4285891191 (0xFF758277)
YUV	124.8590, -2.8885, -6.8923
Hunter-Lab	45.9120, -7.8429, 5.6152

Details

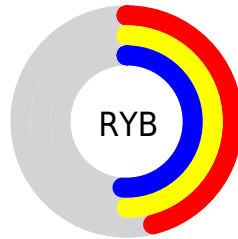
The XYZ color **18.6485, 21.0791, 20.5386** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.4642, 19.0273, 23.0697**, and the grayscale version is **19.4565, 20.4697, 22.2915**.

A 20% lighter version of the original color is **40.6464, 45.2423, 45.1184**, and **6.5340, 7.6050, 7.0848** is the 20% darker color. If you saturate the color by 10%, you get **16.3988, 19.9919, 17.1822**, and if you desaturate by 10%, it is **21.2184, 22.3237, 24.3101**.

Distribution



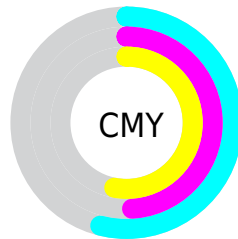
- Red (46%)
- Green (51%)
- Blue (47%)



- Red (46%)
- Yellow (50%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6485, 21.0791, 20.5386 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 18.6485, 21.0791, 20.5386 by changing the saturation by 10% instead.

■ 18.6485, 21.0791,
20.5386

■ 18.6485, 21.0791,
20.5386

237.4769,
257.6986, 267.5162

■ 11.5191, 13.1818,
12.5992

■ 40.6608, 45.2191,
45.1891

■ 6.4870, 7.5539,
7.0257

■ 56.2743, 62.2307,
62.7374

■ 3.1868, 3.8108,
3.3995

■ 75.4466, 83.0492,
84.3256

■ 1.2533, 1.5683,
1.3021

98.5431, 108.0589,
110.3724

■ 0.1479, 0.3361,
0.0635

125.9289,
137.6443, 141.2964

■ 0.0000, 0.0000,
0.0000

157.9696,

172.1898, 177.5159

195.0305,
212.0798, 219.4497

■ 18.6485, 21.0791,
20.5386

■ 18.6485, 21.0791,
20.5386

■ 16.3988, 19.9919,
17.1822

■ 21.2184, 22.3237,
24.3101

■ 14.4551, 19.0533,
14.2253

■ 24.1187, 23.7290,
28.5087

■ 12.8047, 18.2577,
11.6536

■ 27.3612, 25.3012,
33.1478

■ 11.4330, 17.5979,
9.4510

■ 30.9566, 27.0457,
38.2396

■ 10.3246, 17.0663,
7.6006

■ 34.9150, 28.9675,
43.7960

■ 9.4623, 16.6545,
6.0842

■ 39.2464, 31.0714,
49.8284

■ 8.8270, 16.3529,
4.8818

■ 43.9602, 33.3620,
56.3478

■ 8.3963, 16.1506,
3.9713

■ 49.0654, 35.8438,
63.3647

■ 8.1094, 16.0166,
3.3261

■ 54.5709, 38.5211,
70.8896

Harmonies

Analogous

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



19.2528, 21.0791, 19.0020



18.6485, 21.0791, 20.5386



18.4143, 21.0791, 22.8174

Triad

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



18.6485, 21.0791, 20.5386



19.9882, 21.0791, 28.0630



21.5379, 21.0791, 20.7555

Complementary

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



18.6485, 21.0791, 20.5386



19.4642, 19.0273, 23.0697

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.



21.7483, 21.0791, 23.0862



18.6485, 21.0791, 20.5386



20.8382, 21.0791, 27.4137

Square

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



18.6485, 21.0791, 20.5386



19.1738, 21.0791, 27.2627



21.4887, 21.0791, 25.5465



20.9217, 21.0791, 19.1207

Rectangle

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



18.6485, 21.0791, 20.5386



18.4942, 21.0791, 24.4909



21.4887, 21.0791, 25.5465



21.6592, 21.0791, 21.4781

Sweetspot

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



18.6491, 21.0800, 20.5391



35.9171, 38.6106, 40.6947



20.1040, 21.8438, 19.9864



8.0534, 8.7024, 9.0993



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.



18.6491, 21.0800, 20.5391



31.8928, 36.6630, 34.7640



19.0499, 21.2403, 22.6496



4.3009, 4.8287, 4.7560



7.7770, 15.3574, 3.1985



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.4642, 19.0273, 23.0697



33.6277, 32.2939, 40.1502



19.0529, 18.8628, 20.9037



4.4706, 4.4014, 5.2828



11.5275, 5.6307, 14.6337



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.6485, 21.0791, 20.5386 looks on a white background.

Color Contrast Check

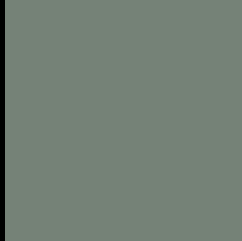
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6485, 21.0791, 20.5386 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

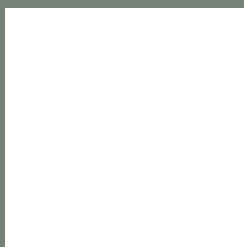
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6485, 21.0791, 20.5386

Background



This preview shows how black text looks on a background with the XYZ color 18.6485, 21.0791, 20.5386.



This preview shows how white text looks on a background with the XYZ color 18.6485, 21.0791,

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

18.6485, 21.0791, 20.5386

Protanopia

20.0318, 21.0314, 19.8333

Deuteranopia

21.3952, 20.9623, 21.0076



Tritanopia

19.8505, 20.9780, 26.6698

Trichromacy



Original Color

18.6485, 21.0791, 20.5386

Protanomaly

19.4636, 20.9224, 20.1521

Deuteranomaly

20.2395, 20.9288, 20.7422

Tritanomaly

19.3562, 20.9720, 24.1469

Monochromacy



Original Color

18.6485, 21.0791, 20.5386

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1906, 20.7464, 21.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6485, 21.0791, 20.5386 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, 130, 119)` looks like.

```
.text, #text, p{  
    color:rgb(117, 130, 119)  
}
```

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, 130, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 130, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.6485, 21.0791, 20.5386 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, 130, 119) }
```


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

```
.border{ border-color:rgb(117, 130, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 130, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 130, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 130, 119);  
box-shadow:4px 4px 4px 4px rgb(117, 130,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6485, 21.0791, 20.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 130, 119) }
```

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

```
.background{ background-color: rgb(117,  
130, 119) }
```

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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