

Converting Colors

XYZ(18.4747, 21.2019, 19.6782)

Have a look what the booklet for
XYZ(18.4747, 21.2019, 19.6782)
contains.

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Color

**XYZ(18.4711, 21.2066,
19.6427)**

Conversions

Conversions Part 1

Format	Color
Hex	748374
RGB	116, 131, 116
RGB Percent	45%, 51%, 45%
CMY	0.5451, 0.4863, 0.5451
CMYK	0.11, 0.00, 0.11, 0.49
HSL	120°, 6%, 48%
HSV	120°, 11%, 51%
XYZ	18.4711, 21.2066, 19.6427
YIQ	124.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

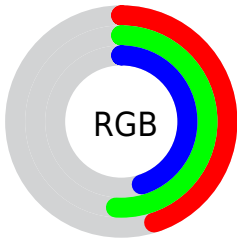
Format	Color
R_{YB}	116, 131, 131
Decimal	7635828
CIE Lab	53.17, -8.55, 6.26
CIE LCh	53, 10.598, 143.803
Yxy	21.2066, 0.3114, 0.3575
Android (android.graphics.Color)	4285825908 (0xFF748374)
YUV	124.8050, -4.3409, -7.7220
Hunter-Lab	46.0506, -8.9915, 6.9455

Details

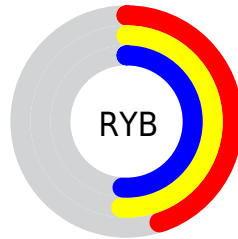
The XYZ color **18.4711, 21.2066, 19.6427** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7029, 18.9552, 24.0940**, and the grayscale version is **19.4430, 20.4556, 22.2761**.

A 20% lighter version of the original color is **40.3568, 45.4330, 43.6882**, and **6.4446, 7.6809, 6.6117** is the 20% darker color. If you saturate the color by 10%, you get **16.1420, 20.0884, 15.8326**, and if you desaturate by 10%, it is **21.1544, 22.4962, 24.0312**.

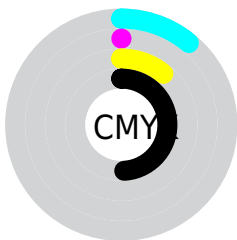
Distribution



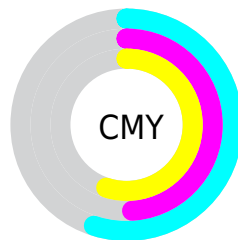
- Red (45%)
- Green (51%)
- Blue (45%)



- Red (45%)
- Yellow (51%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4711, 21.2066, 19.6427 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 18.4711, 21.2066, 19.6427 by changing the saturation by 10% instead.

■ 18.4711, 21.2066,
19.6427

■ 18.4711, 21.2066,
19.6427

236.5077,
258.3744, 262.5142

■ 11.3905, 13.2751,
11.9541

■ 40.3623, 45.4311,
43.6684

■ 6.3993, 7.6183,
6.5903

■ 55.9035, 62.4929,
60.8426

■ 3.1323, 3.8517,
3.1327

■ 74.9957, 83.3670,
82.0157

■ 1.2241, 1.5909,
1.1628

■ 98.0041, 108.4376,
107.6063

■ 0.1253, 0.3515,
0.0000

125.2942,
138.0893, 138.0329

■ 0.0000, 0.0000,
0.0000

157.2312,

172.7064, 173.7140

194.1806,
212.6733, 215.0683

■ 18.4711, 21.2066,
19.6427

■ 18.4711, 21.2066,
19.6427

■ 16.1420, 20.0884,
15.8326

■ 21.1544, 22.4962,
24.0312

■ 14.1507, 19.1319,
12.5756

■ 24.2041, 23.9611,
29.0194

■ 12.4821, 18.3304,
9.8463

■ 27.6339, 25.6086,
34.6292

■ 11.1192, 17.6757,
7.6170

■ 31.4560, 27.4446,
40.8808

■ 10.0435, 17.1590,
5.8574

■ 35.6826, 29.4748,
47.7939

■ 9.2344, 16.7703,
4.5339

■ 40.3249, 31.7047,
55.3869

■ 8.6686, 16.4986,
3.6084

■ 45.3938, 34.1396,
63.6777

■ 8.3190, 16.3306,
3.0365

■ 50.8999, 36.7845,
72.6836

■ 8.1168, 16.2335,
2.7058

■ 56.8534, 39.6443,
82.4212

Harmonies

Analogous

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



19.3012, 21.2066, 17.9041



18.4711, 21.2066, 19.6427



18.0942, 21.2066, 22.4323

Triad

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



18.4711, 21.2066, 19.6427



19.9251, 21.2066, 29.7662



22.1873, 21.2066, 20.6942

Complementary

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



18.4711, 21.2066, 19.6427



19.7029, 18.9552, 24.0940

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.



22.3693, 21.2066, 23.7613



18.4711, 21.2066, 19.6427



21.0361, 21.2066, 29.1923

Square

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



18.4711, 21.2066, 19.6427



18.9134, 21.2066, 28.4223



21.9409, 21.2066, 26.9196



21.4523, 21.2066, 18.4708

Rectangle

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



18.4711, 21.2066, 19.6427



18.1403, 21.2066, 24.5902



21.9409, 21.2066, 26.9196



22.3163, 21.2066, 21.6528

Sweetspot

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



18.4717, 21.2075, 19.6432



37.0605, 39.8895, 41.6903



20.6298, 22.3200, 19.7440



8.5421, 9.2456, 9.5651



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.4717, 21.2075, 19.6432



31.8160, 37.3703, 33.1121



18.9259, 21.3892, 22.0350



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6633



0.0277, 0.0554, 0.0092

Inverse Universe

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



19.7029, 18.9552, 24.0940



34.5212, 32.4216, 42.8911



19.2127, 18.7591, 21.5123



4.8579, 4.7628, 5.8640



13.2458, 6.3627, 21.6646



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 18.4711, 21.2066, 19.6427 looks on a white background.

Color Contrast Check

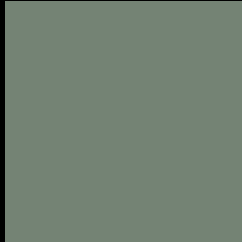
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4711, 21.2066, 19.6427 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

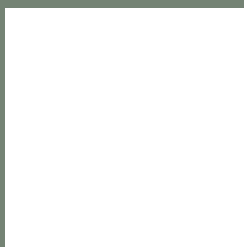
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4711, 21.2066, 19.6427

Background



This preview shows how black text looks on a background with the XYZ color 18.4711, 21.2066, 19.6427.



This preview shows how white text looks on a background with the XYZ color 18.4711, 21.2066,

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

18.4711, 21.2066, 19.6427

Protanopia

20.0138, 21.0421, 18.9263

Deuteranopia

21.3849, 20.9779, 20.0616



Tritanopia

20.0523, 21.2664, 27.0927

Trichromacy



Original Color

18.4711, 21.2066, 19.6427

Protanomaly

19.4179, 21.1118, 19.2712

Deuteranomaly

20.2174, 20.9381, 19.8055

Tritanomaly

19.4873, 21.2342, 24.1906

Monochromacy



Original Color

18.4711, 21.2066, 19.6427

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1283, 20.7215, 21.4038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4711, 21.2066, 19.6427 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(116, 131, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 131, 116)  
}
```

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(116, 131, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 131, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.4711, 21.2066, 19.6427 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(116, 131, 116) }
```


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

```
.border{ border-color:rgb(116, 131, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 131, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 131, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 131, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 131,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4711, 21.2066, 19.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 131, 116) }
```

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

```
.background{ background-color: rgb(116,  
131, 116) }
```

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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