

Converting Colors

XYZ(18.4865, 20.7461, 19.6400)

Have a look what the booklet for
XYZ(18.4865, 20.7461, 19.6400)
contains.

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Color

**XYZ(18.4739, 20.8130,
19.5666)**

Conversions

Conversions Part 1

Format	Color
Hex	768174
RGB	118, 129, 116
RGB Percent	46%, 51%, 45%
CMY	0.5372, 0.4941, 0.5451
CMYK	0.09, 0.00, 0.10, 0.49
HSL	111°, 5%, 48%
HSV	111°, 10%, 51%
XYZ	18.4739, 20.8130, 19.5666
YIQ	124.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

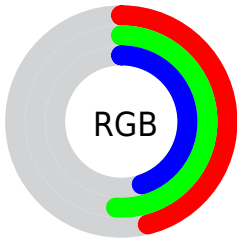
Format	Color
R_{YB}	116, 129, 127
Decimal	7766388
CIE Lab	52.74, -6.68, 5.66
CIE LCh	53, 8.758, 139.719
Yxy	20.8130, 0.3139, 0.3536
Android (android.graphics.Color)	4285956468 (0xFF768174)
YUV	124.2290, -4.0569, -5.4628
Hunter-Lab	45.6213, -7.5553, 6.5059

Details

The XYZ color **18.4739, 20.8130, 19.5666** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9609, 18.5883, 23.3584**, and the grayscale version is **19.2487, 20.2512, 22.0535**.

A 20% lighter version of the original color is **40.3734, 44.8291, 43.5708**, and **6.4378, 7.4568, 6.5688** is the 20% darker color. If you saturate the color by 10%, you get **16.3776, 19.8137, 15.8197**, and if you desaturate by 10%, it is **20.8472, 21.9442, 23.8714**.

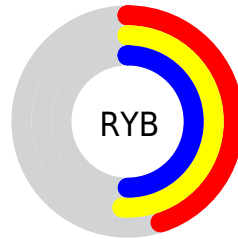
Distribution



Red (46%)

Green (51%)

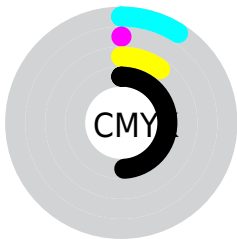
Blue (45%)



Red (45%)

Yellow (51%)

Blue (50%)

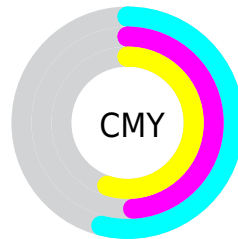


Cyan (9%)

Magenta (0%)

Yellow (10%)

Black (49%)



Cyan (54%)

Magenta (49%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4739, 20.8130, 19.5666 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 18.4739, 20.8130, 19.5666 by changing the saturation by 10% instead.

■ 18.4739, 20.8130,
19.5666

■ 18.4739, 20.8130,
19.5666

236.5231,
256.2830, 262.0853

■ 11.3925, 12.9874,
11.8995

■ 40.3670, 44.7761,
43.5387

■ 6.4007, 7.4199,
6.5535

■ 55.9094, 61.6824,
60.6808

■ 3.1332, 3.7260,
3.1103

■ 75.0028, 82.3843,
81.8183

■ 1.2246, 1.5215,
1.1512

98.0126, 107.2664,
107.3696

■ 0.1257, 0.3038,
0.0000

125.3042,
136.7128, 137.7535

■ 0.0000, 0.0000,
0.0000

157.2429,

171.1082, 173.3884

194.1941,
210.8368, 214.6928

■ 18.4739, 20.8130,
19.5666

■ 18.4739, 20.8130,
19.5666

■ 16.3776, 19.8137,
15.8197

■ 20.8472, 21.9442,
23.8714

■ 14.5465, 18.9389,
12.6065

■ 23.5052, 23.2092,
28.7541

■ 12.9703, 18.1846,
9.9032

■ 26.4578, 24.6130,
34.2355

■ 11.6377, 17.5454,
7.6836

■ 29.7135, 26.1598,
40.3350

■ 10.5363, 17.0155,
5.9190

■ 33.2807, 27.8534,
47.0710

■ 9.6527, 16.5887,
4.5780

■ 37.1675, 29.6975,
54.4612

■ 8.9720, 16.2582,
3.6250

■ 41.3816, 31.6959,
62.5225

■ 8.4774, 16.0161,
3.0186

■ 45.9303, 33.8519,
71.2715

■ 8.1360, 15.8484,
2.6302

■ 50.8210, 36.1690,
80.7238

Harmonies

Analogous

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



19.1962, 20.8130, 18.2541



18.4739, 20.8130, 19.5666



18.1059, 20.8130, 21.7770

Triad

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



18.4739, 20.8130, 19.5666



19.4707, 20.8130, 27.9729



21.4797, 20.8130, 21.0087

Complementary

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



18.4739, 20.8130, 19.5666



18.9609, 18.5883, 23.3584

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.



21.5587, 20.8130, 23.5702



18.4739, 20.8130, 19.5666



20.3799, 20.8130, 27.7274

Square

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



18.4739, 20.8130, 19.5666



18.6696, 20.8130, 26.7144



21.1507, 20.8130, 26.0674



20.9380, 20.8130, 19.0414

Rectangle

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



18.4739, 20.8130, 19.5666



18.1031, 20.8130, 23.5205



21.1507, 20.8130, 26.0674



21.5619, 20.8130, 21.8242

Sweetspot

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



18.4745, 20.8139, 19.5671



36.0070, 38.6650, 40.3337



19.7743, 21.0647, 19.5470



8.0784, 8.7175, 8.9991



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.



18.4745, 20.8139, 19.5671



32.2134, 36.8571, 33.4765



18.4638, 20.7786, 20.9136



4.3329, 4.8481, 4.6275



7.9349, 15.4530, 2.5645



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.9609, 18.5883, 23.3584



33.2593, 32.0708, 41.6298



18.9797, 18.6306, 21.8870



4.4352, 4.3800, 5.4249



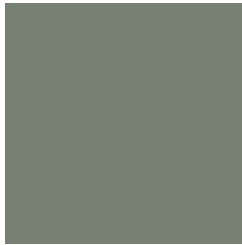
10.0336, 4.7262, 20.6334



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.4739, 20.8130, 19.5666 looks on a white background.

Color Contrast Check

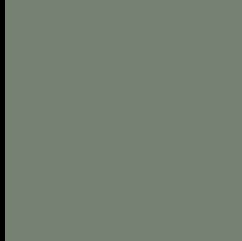
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4739, 20.8130, 19.5666 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

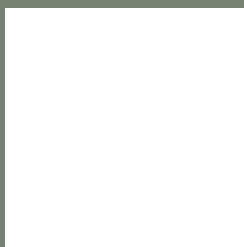
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4739, 20.8130, 19.5666

Background



This preview shows how black text looks on a background with the XYZ color 18.4739, 20.8130, 19.5666.



This preview shows how white text looks on a background with the XYZ color 18.4739, 20.8130,

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

18.4739, 20.8130, 19.5666

Protanopia

19.7310, 20.7074, 18.8766

Deuteranopia

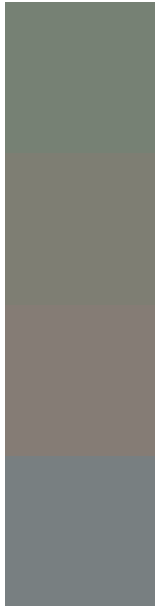
21.0919, 20.6455, 20.0129



Tritanopia

19.7899, 20.7642, 26.2574

Trichromacy



Original Color

18.4739, 20.8130, 19.5666

Protanomaly

19.1596, 20.5951, 19.1851

Deuteranomaly

20.0914, 20.6862, 19.7635

Tritanomaly

19.2975, 20.7568, 23.7583

Monochromacy



Original Color

18.4739, 20.8130, 19.5666

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9381, 20.4398, 21.0363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4739, 20.8130, 19.5666 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(118, 129, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 129, 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(118, 129, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 129, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.4739, 20.8130, 19.5666 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(118, 129, 116) }
```


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

```
.border{ border-color:rgb(118, 129, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 129, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 129, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 129, 116);  
box-shadow:4px 4px 4px 4px rgb(118, 129,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4739, 20.8130, 19.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 129, 116) }
```

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

```
.background{ background-color: rgb(118,  
129, 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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