

Converting Colors

XYZ(16.4962, 21.0511, 18.8760)

Have a look what the booklet for
XYZ(16.4962, 21.0511, 18.8760)
contains.

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Color

**XYZ(16.4685, 21.0070,
18.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	608771
RGB	96, 135, 113
RGB Percent	38%, 53%, 44%
CMY	0.6235, 0.4706, 0.5569
CMYK	0.29, 0.00, 0.16, 0.47
HSL	146°, 17%, 45%
HSV	146°, 29%, 53%
XYZ	16.4685, 21.0070, 18.8096
YIQ	120.8310, -16.1820, -15.1100

Conversions

Conversions Part 2

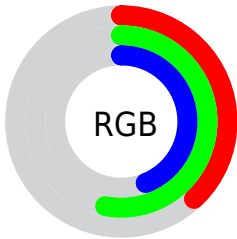
Format	Color
R_{YB}	96, 123, 135
Decimal	6326129
CIE _{Lab}	52.96, -18.48, 7.50
CIE _{LCh}	53, 19.948, 157.903
Yxy	21.0070, 0.2926, 0.3732
Android (android.graphics.Color)	4284516209 (0xFF608771)
YUV	120.8310, -3.8607, -21.7768
Hunter-Lab	45.8334, -16.0712, 7.7513

Details

The XYZ color **16.4685, 21.0070, 18.8096** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4453, 14.8252, 19.0825**, and the grayscale version is **18.1357, 19.0801, 20.7783**.

A 20% lighter version of the original color is **36.8074, 44.8861, 42.3212**, and **5.4216, 7.5070, 6.1643** is the 20% darker color. If you saturate the color by 10%, you get **14.7574, 20.1730, 16.5847**, and if you desaturate by 10%, it is **18.4607, 21.9829, 21.2364**.

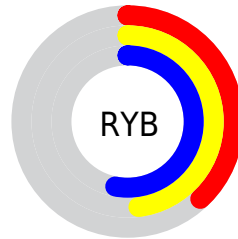
Distribution



Red (38%)

Green (53%)

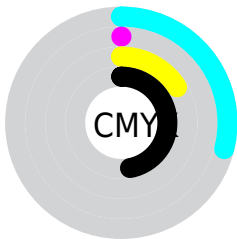
Blue (44%)



Red (38%)

Yellow (48%)

Blue (53%)

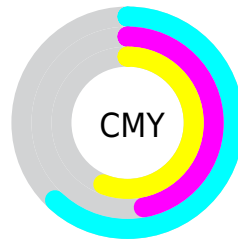


Cyan (29%)

Magenta (0%)

Yellow (16%)

Black (47%)



Cyan (62%)

Magenta (47%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4685, 21.0070, 18.8096 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 16.4685, 21.0070, 18.8096 by changing the saturation by 10% instead.

■ 16.4685, 21.0070,
18.8096

■ 16.4685, 21.0070,
18.8096

225.3070,
257.3157, 257.7832

■ 9.9492, 13.1291,
11.3574

■ 36.9606, 45.0992,
42.2445

■ 5.4273, 7.5175,
6.1906

■ 51.6641, 62.0823,
59.0643

■ 2.5374, 3.7878,
2.8906

■ 69.8264, 82.8692,
79.8437

■ 0.9142, 1.5556,
1.0391

■ 91.8128, 107.8444,
105.0011

■ 0.0000, 0.3274,
0.0000

117.9887,
137.3923, 134.9553

■ 0.0000, 0.0000,
0.0000

148.7195,

171.8972, 170.1247

184.3705,
211.7435, 210.9278

■ 16.4685, 21.0070,
18.8096

■ 16.4685, 21.0070,
18.8096

■ 14.7574, 20.1730,
16.5847

■ 18.4607, 21.9829,
21.2364

■ 13.3124, 19.4715,
14.5551

■ 20.7446, 23.1045,
23.8688

■ 12.1195, 18.8960,
12.7158

■ 23.3326, 24.3784,
26.7119

■ 11.1628, 18.4384,
11.0611

■ 26.2357, 25.8103,
29.7705

■ 10.4244, 18.0896,
9.5849

■ 29.4642, 27.4054,
33.0491

■ 9.8837, 17.8392,
8.2809

■ 33.0281, 29.1688,
36.5521

■ 9.4906, 17.6614,
7.1410

■ 36.9371, 31.1054,
40.2836

■ 9.4498, 17.6429,
7.0240

■ 41.2001, 33.2198,
44.2479

■ 45.8260, 35.5163,
48.4489

Harmonies

Analogous

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



17.5973, 21.0070, 14.9381



16.4685, 21.0070, 18.8096



16.2434, 21.0070, 24.4929

Triad

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



16.4685, 21.0070, 18.8096



20.5244, 21.0070, 36.2773



23.3096, 21.0070, 16.5041

Complementary

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



16.4685, 21.0070, 18.8096



17.4453, 14.8252, 19.0825

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.



24.2191, 21.0070, 21.3263



16.4685, 21.0070, 18.8096



22.5394, 21.0070, 33.2135

Square

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



16.4685, 21.0070, 18.8096



18.4921, 21.0070, 35.2851



23.9278, 21.0070, 27.4832



21.5173, 21.0070, 13.7778

Rectangle

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



16.4685, 21.0070, 18.8096



16.6203, 21.0070, 28.6952



23.9278, 21.0070, 27.4832



23.7342, 21.0070, 17.8971

Sweetspot

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



16.4691, 21.0079, 18.8101



37.0123, 41.3071, 42.5897



18.2608, 22.0320, 14.3568



8.4427, 9.5029, 9.7177



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.4691, 21.0079, 18.8101



27.3262, 36.5625, 30.8984



17.6808, 21.4926, 25.1912



4.6943, 5.2360, 5.4016



8.7200, 16.2709, 6.5110



0.0338, 0.0578, 0.0413

Inverse Universe

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



17.4453, 14.8252, 19.0825



29.3854, 23.5153, 31.4689



16.4082, 14.4104, 13.6214



4.7744, 4.7294, 5.4242



10.4283, 5.2357, 6.8277



0.0398, 0.0196, 0.0430

Previews

White Background



This preview shows how the XYZ color 16.4685, 21.0070, 18.8096 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 16.4685, 21.0070, 18.8096 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 16.4685, 21.0070, 18.8096

Background



This preview shows how black text looks on a background with the XYZ color 16.4685, 21.0070, 18.8096.



This preview shows how white text looks on a background with the XYZ color 16.4685, 21.0070,

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

16.4685, 21.0070, 18.8096

Protanopia

19.6833, 20.9100, 17.1860

Deuteranopia

21.2672, 20.9308, 19.4421



Tritanopia

18.4783, 21.0104, 28.6727

Trichromacy



Original Color

16.4685, 21.0070, 18.8096

Protanomaly

18.2725, 20.7482, 17.7936

Deuteranomaly

19.1413, 20.7765, 19.2211

Tritanomaly

17.6035, 20.8505, 24.5695

Monochromacy



Original Color

16.4685, 21.0070, 18.8096

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4130, 19.6745, 20.0193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4685, 21.0070, 18.8096 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(96, 135, 113) looks like.

```
.text, #text, p{  
    color:rgb(96, 135, 113)  
}
```

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(96, 135, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 135, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.4685, 21.0070, 18.8096 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(96, 135, 113) }
```


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

```
.border{ border-color:rgb(96, 135, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 135, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 135, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 135, 113);  
box-shadow:4px 4px 4px 4px rgb(96, 135,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4685, 21.0070, 18.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 135, 113) }
```

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

```
.background{ background-color: rgb(96, 135,  
113) }
```

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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