

Converting Colors

XYZ(16.5790, 18.4187, 6.2830)

Have a look what the booklet for
XYZ(16.5790, 18.4187, 6.2830)
contains.

XYZ(16.6120, 18.4546, 6.3010)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6120, 18.4546,
6.3010)**

Conversions

Conversions Part 1

Format	Color
Hex	827837
RGB	130, 120, 55
RGB Percent	51%, 47%, 22%
CMY	0.4902, 0.5294, 0.7843
CMYK	0.00, 0.08, 0.58, 0.49
HSL	52°, 41%, 36%
HSV	52°, 58%, 51%
XYZ	16.6120, 18.4546, 6.3010
YIQ	115.5800, 26.8250, -18.0950

Conversions

Conversions Part 2

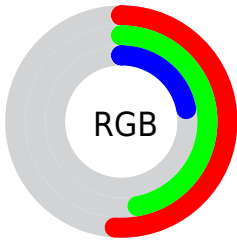
Format	Color
RYB	67, 130, 55
Decimal	8550455
CIELab	50.04, -5.11, 36.51
CIELCh	50, 36.864, 97.975
Yxy	18.4546, 0.4016, 0.4461
Android (android.graphics.Color)	4286740535 (0xFF827837)
YUV	115.5800, -29.8659, 12.6463
Hunter-Lab	42.9588, -6.1527, 21.3748

Details

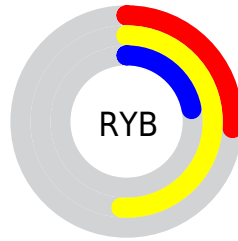
The XYZ color **16.6120, 18.4546, 6.3010** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.4951, 6.2044, 21.9216**, and the grayscale version is **16.5550, 17.4172, 18.9673**.

A 20% lighter version of the original color is **37.2588, 40.8188, 19.0118**, and **5.4866, 6.2654, 1.0637** is the 20% darker color. If you saturate the color by 10%, you get **16.1342, 17.9337, 4.8019**, and if you desaturate by 10%, it is **17.1765, 19.0176, 8.2346**.

Distribution



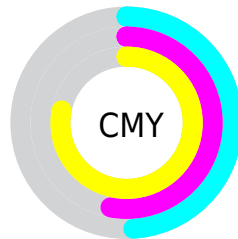
- Red (51%)
- Green (47%)
- Blue (22%)



- Red (26%)
- Yellow (51%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (58%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6120, 18.4546, 6.3010 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 16.6120, 18.4546, 6.3010 by changing the saturation by 10% instead.

■ 16.6120, 18.4546,
6.3010

■ 16.6120, 18.4546,
6.3010

226.1265,
243.4211, 171.1265

■ 10.0518, 11.2769,
2.9572

■ 37.2064, 40.8104,
19.0409

■ 5.4959, 6.2534,
1.0728

■ 51.9713, 56.7573,
29.2740

■ 2.5788, 2.9998,
0.0000

■ 70.2019, 76.3961,
42.6408

■ 0.9351, 1.1316,
0.0000

■ 92.2634, 100.1110,
59.5596

■ 0.0000, 0.0048,
0.0000

■ 118.5213,
128.2866, 80.4490

■ 0.0000, 0.0000,
0.0000

■ 149.3409,

161.3072, 105.7276

185.0875,
199.5572, 135.8139

■ 16.6120, 18.4546,
6.3010

■ 16.6120, 18.4546,
6.3010

■ 16.1342, 17.9337,
4.8019

■ 17.1765, 19.0176,
8.2346

■ 15.7353, 17.4497,
3.7013

■ 17.8325, 19.6225,
10.6326

■ 15.4080, 17.0003,
2.9596

■ 18.5856, 20.2724,
13.5235

■ 15.1356, 16.5788,
2.4885

■ 19.4408, 20.9692,
16.9333

■ 15.0745, 16.4831,
2.3870

■ 20.4027, 21.7149,
20.8860

■ 21.4756, 22.5112,
25.4042

■ 22.6636, 23.3598,
30.5093

■ 23.9706, 24.2621,
36.2214

■ 25.4002, 25.2198,
42.5599

Harmonies

Analogous

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



20.2222, 18.4546, 6.8887



16.6120, 18.4546, 6.3010



13.6727, 18.4546, 8.3019

Triad

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



16.6120, 18.4546, 6.3010



12.6985, 18.4546, 34.6535



24.6464, 18.4546, 28.3372

Complementary

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



16.6120, 18.4546, 6.3010



7.4951, 6.2044, 21.9216

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.



22.0766, 18.4546, 39.7381



16.6120, 18.4546, 6.3010



15.1071, 18.4546, 44.1586

Square

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



16.6120, 18.4546, 6.3010



11.6205, 18.4546, 22.9250



18.5031, 18.4546, 46.2802



25.1916, 18.4546, 17.5061

Rectangle

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



16.6120, 18.4546, 6.3010



12.3742, 18.4546, 11.4198



18.5031, 18.4546, 46.2802



23.9755, 18.4546, 32.3216

Sweetspot

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



16.6124, 18.4555, 6.3014



34.2858, 36.9675, 30.0193



11.5264, 7.8601, 5.9109



7.7026, 8.3214, 6.5609



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.



16.6124, 18.4555, 6.3014



28.1982, 31.3314, 7.8306



14.2087, 19.0952, 6.5516



4.6180, 4.9248, 4.6273



14.4577, 15.8118, 2.2900



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.4951, 6.2044, 21.9216



10.5671, 7.6652, 38.1151



8.9190, 6.1607, 21.8381



4.1515, 4.2971, 5.4239



4.0638, 1.9461, 20.4114



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6120, 18.4546, 6.3010 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 16.6120, 18.4546, 6.3010 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 16.6120, 18.4546, 6.3010

Background



This preview shows how black text looks on a background with the XYZ color 16.6120, 18.4546, 6.3010.



This preview shows how white text looks on a background with the XYZ color 16.6120, 18.4546,

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

16.6120, 18.4546, 6.3010

Protanopia

16.8021, 18.3750, 6.2756

Deuteranopia

18.6763, 18.3087, 6.4205



Tritanopia

19.5713, 18.4496, 20.9420

Trichromacy



Original Color

16.6120, 18.4546, 6.3010

Protanomaly

16.6465, 18.2948, 6.2683

Deuteranomaly

17.9437, 18.4390, 6.3547

Tritanomaly

18.2815, 18.4410, 14.1512

Monochromacy



Original Color

16.6120, 18.4546, 6.3010

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2668, 17.5957, 13.1286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6120, 18.4546, 6.3010 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(130, 120, 55)` looks like.

```
.text, #text, p{  
    color:rgb(130, 120, 55)  
}
```

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(130, 120, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 120, 55) }
```

Border

The CSS property to change the border of an element to XYZ 16.6120, 18.4546, 6.3010 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(130, 120, 55) }
```


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

```
.border{ border-color:rgb(130, 120, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 120, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 120, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 120, 55);  
box-shadow:4px 4px 4px 4px rgb(130, 120,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6120, 18.4546, 6.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 120, 55) }
```

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

```
.background{ background-color: rgb(130,  
120, 55) }
```

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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