

Converting Colors

XYZ(16.4466, 18.6177, 3.2170)

Have a look what the booklet for
XYZ(16.4466, 18.6177, 3.2170)
contains.

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Color

**XYZ(16.4466, 18.6177,
3.2170)**

Conversions

Conversions Part 1

Format	Color
Hex	847910
RGB	132, 121, 16
RGB Percent	52%, 47%, 6%
CMY	0.4824, 0.5255, 0.9372
CMYK	0.00, 0.08, 0.88, 0.48
HSL	54°, 78%, 29%
HSV	54°, 88%, 52%
XYZ	16.4466, 18.6177, 3.2170
YIQ	112.3190, 40.2610, -30.3230

Conversions

Conversions Part 2

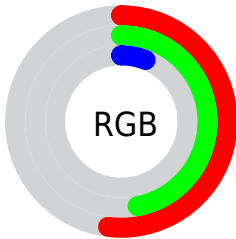
Format	Color
R_{YB}	28, 132, 16
Decimal	8681744
CIE Lab	50.24, -6.88, 52.37
CIE LCh	50, 52.823, 97.486
Yxy	18.6177, 0.4296, 0.4863
Android (android.graphics.Color)	4286871824 (0xFF847910)
YUV	112.3190, -47.4853, 17.2602
Hunter-Lab	43.1482, -7.4714, 25.7833

Details

The XYZ color **16.4466, 18.6177, 3.2170** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.7706, 2.5601, 22.0722**, and the grayscale version is **15.6226, 16.4362, 17.8990**.

A 20% lighter version of the original color is **36.8523, 41.0464, 12.1113**, and **5.6070, 6.4274, 0.9451** is the 20% darker color. If you saturate the color by 10%, you get **16.2177, 18.2851, 2.7552**, and if you desaturate by 10%, it is **16.7308, 18.9770, 3.9570**.

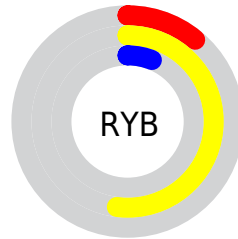
Distribution



Red (52%)

Green (47%)

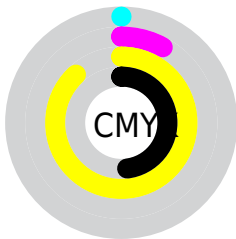
Blue (6%)



Red (11%)

Yellow (52%)

Blue (6%)

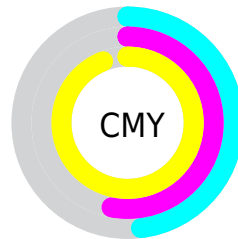


Cyan (0%)

Magenta (8%)

Yellow (88%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4466, 18.6177, 3.2170 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 16.4466, 18.6177, 3.2170 by changing the saturation by 10% instead.

■ 16.4466, 18.6177,
3.2170

■ 16.4466, 18.6177,
3.2170

225.1817,
244.3300, 139.0782

■ 9.9336, 11.3944,
1.2065

■ 36.9230, 41.0871,
12.1594

■ 5.4169, 6.3327,
0.0000

■ 51.6171, 57.1019,
19.9283

■ 2.5311, 3.0485,
0.0000

■ 69.7690, 76.8161,
30.4537

■ 0.9110, 1.1571,
0.0000

■ 91.7439, 100.6139,
44.1543

■ 0.0000, 0.0262,
0.0000

■ 117.9073,
128.8798, 61.4485

■ 0.0000, 0.0000,
0.0000

■ 148.6245,

161.9982, 82.7548

184.2609,
200.3535, 108.4919

16.4466, 18.6177,
3.2170

16.4466, 18.6177,
3.2170

16.2177, 18.2851,
2.7552

16.7308, 18.9770,
3.9570

16.1705, 18.2152,
2.6636

17.0868, 19.3675,
5.0666

17.5228, 19.7931,
6.5880

18.0458, 20.2567,
8.5576

18.6619, 20.7608,
11.0076

■ 19.3766, 21.3076,
13.9672

■ 20.1952, 21.8991,
17.4635

■ 21.1223, 22.5373,
21.5216

■ 22.1624, 23.2239,
26.1647

Harmonies

Analogous

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



21.7292, 18.6177, 3.8081



16.4466, 18.6177, 3.2170



12.3661, 18.6177, 5.1409

Triad

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



16.4466, 18.6177, 3.2170



10.9901, 18.6177, 42.6604



28.4079, 18.6177, 33.0629

Complementary

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



16.4466, 18.6177, 3.2170



4.7706, 2.5601, 22.0722

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.



24.3710, 18.6177, 51.7866



16.4466, 18.6177, 3.2170



14.1948, 18.6177, 58.9410

Square

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



16.4466, 18.6177, 3.2170



9.6346, 18.6177, 24.1613



19.0062, 18.6177, 62.9058



29.3293, 18.6177, 16.8233

Rectangle

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



16.4466, 18.6177, 3.2170



10.6382, 18.6177, 8.5994



19.0062, 18.6177, 62.9058



27.3373, 18.6177, 39.4617

Sweetspot

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



16.4470, 18.6186, 3.2174



34.3083, 37.6639, 25.3457



9.9059, 5.3582, 1.5862



7.8956, 8.7005, 5.5137



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.



16.4470, 18.6186, 3.2174



28.4258, 31.9689, 4.6724



12.1460, 18.4994, 3.4211



5.0030, 5.3496, 4.9983



15.6593, 17.6413, 2.5798



0.0570, 0.0666, 0.0098

Inverse Universe

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



4.7706, 2.5601, 22.0722



7.5246, 3.3110, 38.6956



6.3622, 3.0739, 22.0875



4.4674, 4.6104, 5.8552



4.1681, 1.8840, 21.2807



0.0166, 0.0108, 0.0744

Previews

White Background



This preview shows how the XYZ color 16.4466, 18.6177, 3.2170 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 16.4466, 18.6177, 3.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

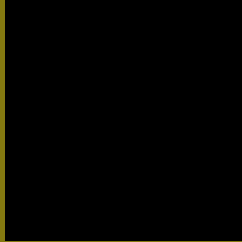
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4466, 18.6177, 3.2170

Background



This preview shows how black text looks on a background with the XYZ color 16.4466, 18.6177, 3.2170.



This preview shows how white text looks on a background with the XYZ color 16.4466, 18.6177,

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

16.4466, 18.6177, 3.2170

Protanopia

16.8017, 18.6212, 3.1989

Deuteranopia

18.8124, 18.4475, 3.3283



Tritanopia

20.0038, 18.6797, 20.6404

Trichromacy



Original Color

16.4466, 18.6177, 3.2170

Protanomaly

16.6415, 18.5387, 3.1914

Deuteranomaly

17.8733, 18.4706, 3.2850

Tritanomaly

17.9601, 18.3496, 10.7788

Monochromacy



Original Color

16.4466, 18.6177, 3.2170

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0780, 16.7192, 9.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4466, 18.6177, 3.2170 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(132, 121, 16)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 16)  
}
```

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(132, 121, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 16) }
```

Border

The CSS property to change the border of an element to XYZ 16.4466, 18.6177, 3.2170 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(132, 121, 16) }
```


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

```
.border{ border-color:rgb(132, 121, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 16);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4466, 18.6177, 3.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 16) }
```

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

```
.background{ background-color: rgb(132,  
121, 16) }
```

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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