

Converting Colors

XYZ(18.0570, 18.3296, 16.9640)

Have a look what the booklet for
XYZ(18.0570, 18.3296, 16.9640)
contains.

XYZ(18.0590, 18.2620, 17.0411)	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(18.0590, 18.2620,
17.0411)**

Conversions

Conversions Part 1

Format	Color
Hex	81746D
RGB	129, 116, 109
RGB Percent	51%, 45%, 43%
CMY	0.4941, 0.5451, 0.5725
CMYK	0.00, 0.10, 0.16, 0.49
HSL	21°, 8%, 47%
HSV	21°, 16%, 51%
XYZ	18.0590, 18.2620, 17.0411
YIQ	119.0890, 9.9950, 0.5790

Conversions

Conversions Part 2

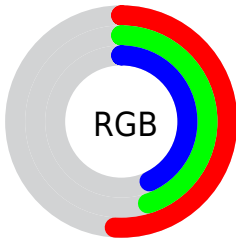
Format	Color
R_{YB}	129, 120, 109
Decimal	8483949
CIE _{Lab}	49.81, 3.77, 5.69
CIE _{LCh}	50, 6.825, 56.457
Yxy	18.2620, 0.3384, 0.3422
Android (android.graphics.Color)	4286674029 (0xFF81746D)
YUV	119.0890, -4.9739, 8.6919
Hunter-Lab	42.7341, 0.6478, 6.2707

Details

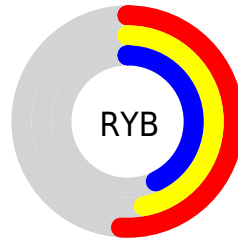
The XYZ color **18.0590, 18.2620, 17.0411** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2287, 18.7550, 23.4812**, and the grayscale version is **17.5762, 18.4915, 20.1372**.

A 20% lighter version of the original color is **39.6392, 40.4884, 38.9835**, and **6.2449, 6.1875, 5.4226** is the 20% darker color. If you saturate the color by 10%, you get **16.4919, 16.1586, 13.3404**, and if you desaturate by 10%, it is **19.8163, 20.5823, 21.3086**.

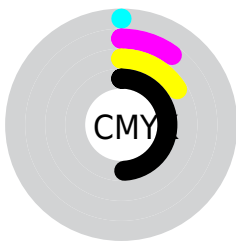
Distribution



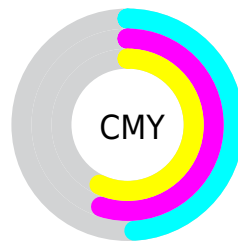
- Red (51%)
- Green (45%)
- Blue (43%)



- Red (51%)
- Yellow (47%)
- Blue (43%)



- Cyan (0%)
- Magenta (10%)
- Yellow (16%)
- Black (49%)



- Cyan (49%)
- Magenta (55%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0590, 18.2620, 17.0411 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 18.0590, 18.2620, 17.0411 by changing the saturation by 10% instead.

■ 18.0590, 18.2620,
17.0411

■ 18.0590, 18.2620,
17.0411

234.2425,
242.3437, 247.4611

■ 11.0923, 11.1383,
10.1015

■ 39.6671, 40.4833,
39.1880

■ 6.1967, 6.1599,
5.3598

■ 55.0393, 56.3496,
55.2325

■ 3.0068, 2.9426,
2.3975

■ 73.9439, 75.8988,
75.1490

■ 1.1574, 1.1018,
0.7851

■ 96.7465, 99.5155,
99.3561

■ 0.0723, 0.0000,
0.0000

123.8122,
127.5839, 128.2723

■ 0.0000, 0.0000,
0.0000

155.5066,

160.4885, 162.3162

192.1949,
198.6136, 201.9063

■ 18.0590, 18.2620,
17.0411

■ 18.0590, 18.2620,
17.0411

■ 16.4919, 16.1586,
13.3404

■ 19.8163, 20.5823,
21.3086

■ 15.1067, 14.2632,
10.1812

■ 21.7687, 23.1231,
26.1642

■ 13.8968, 12.5701,
7.5381

■ 23.9227, 25.8911,
31.6297

■ 12.8547, 11.0720,
5.3831

■ 26.2840, 28.8918,
37.7255

■ 11.9719, 9.7617,
3.6857

■ 28.8583, 32.1307,
44.4709

■ 11.2395, 8.6309,
2.4117

■ 31.6509, 35.6130,
51.8843

■ 10.6472, 7.6709,
1.5222

■ 34.6668, 39.3438,
59.9835

■ 10.1807, 6.8710,
0.9562

■ 37.9110, 43.3278,
68.7858

■ 9.9980, 6.5565,
0.7386

■ 41.3884, 47.5700,
78.3075

Harmonies

Analogous

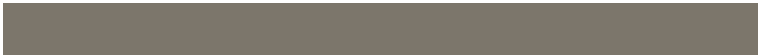
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.5034, 18.2620, 18.3281



18.0590, 18.2620, 17.0411



17.4350, 18.2620, 16.5137

Triad

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



18.0590, 18.2620, 17.0411



16.1368, 18.2620, 19.6633



17.9217, 18.2620, 23.2726

Complementary

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



18.0590, 18.2620, 17.0411



17.2287, 18.7550, 23.4812

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.



17.2802, 18.2620, 23.6847



18.0590, 18.2620, 17.0411



16.2598, 18.2620, 21.5260

Square

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



18.0590, 18.2620, 17.0411



16.3341, 18.2620, 17.9668



16.6744, 18.2620, 23.0272



18.4228, 18.2620, 21.9335

Rectangle

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



18.0590, 18.2620, 17.0411



17.0050, 18.2620, 16.6378



16.6744, 18.2620, 23.0272



17.7148, 18.2620, 23.5276

Sweetspot

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



18.0595, 18.2628, 17.0415



35.6147, 37.0263, 38.4747



18.0350, 17.0098, 20.7453



8.0172, 8.3231, 8.6004



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.



18.0595, 18.2628, 17.0415



31.1938, 31.1736, 27.7861



19.2747, 20.6933, 17.4466



4.4414, 4.5715, 4.5684



9.7517, 6.3998, 0.7213



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.2287, 18.7550, 23.4812



29.3765, 32.2491, 41.8689



16.0636, 16.4248, 23.0929



4.3237, 4.6413, 5.4813



6.9461, 7.7108, 21.3722



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.0590, 18.2620, 17.0411 looks on a white 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

Black Background



This preview shows how the XYZ color 18.0590, 18.2620, 17.0411 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

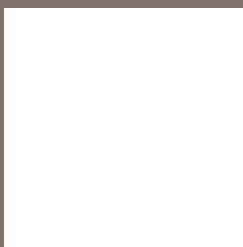
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0590, 18.2620, 17.0411

Background



This preview shows how black text looks on a background with the XYZ color 18.0590, 18.2620, 17.0411.



This preview shows how white text looks on a background with the XYZ color 18.0590, 18.2620,

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

18.0590, 18.2620, 17.0411

Protanopia

17.4613, 18.2936, 17.3626

Deuteranopia

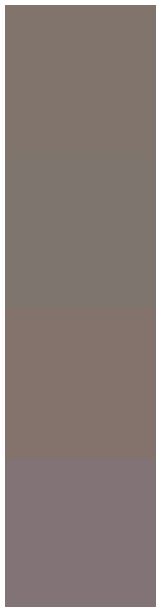
18.4505, 18.1253, 16.9941



Tritanopia

18.9525, 18.2900, 21.2703

Trichromacy



Original Color

18.0590, 18.2620, 17.0411

Protanomaly

17.6332, 18.2083, 17.3370

Deuteranomaly

18.4068, 18.2711, 17.0245

Tritanomaly

18.6067, 18.3153, 19.6941

Monochromacy



Original Color

18.0590, 18.2620, 17.0411

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7413, 18.4056, 18.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0590, 18.2620, 17.0411 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(129, 116, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 109)  
}
```

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(129, 116, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 109) }
```

Border

The CSS property to change the border of an element to XYZ 18.0590, 18.2620, 17.0411 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(129, 116, 109) }
```


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

```
.border{ border-color:rgb(129, 116, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0590, 18.2620, 17.0411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 109) }
```

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

```
.background{ background-color: rgb(129,  
116, 109) }
```

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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