

Converting Colors

XYZ(10.2290, 17.1201, 5.4909)

Have a look what the booklet for
XYZ(10.2290, 17.1201, 5.4909)
contains.

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Color

**XYZ(10.1831, 17.0404,
5.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	39822F
RGB	57, 130, 47
RGB Percent	22%, 51%, 18%
CMY	0.7765, 0.4902, 0.8157
CMYK	0.56, 0.00, 0.64, 0.49
HSL	113°, 47%, 35%
HSV	113°, 64%, 51%
XYZ	10.1831, 17.0404, 5.4417
YIQ	98.7110, -16.8650, -41.2890

Conversions

Conversions Part 2

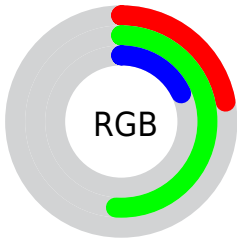
Format	Color
RYB	47, 130, 120
Decimal	3768879
CIELab	48.31, -39.73, 37.21
CIElCh	48, 54.433, 136.873
Yxy	17.0404, 0.3117, 0.5217
Android (android.graphics.Color)	4281958959 (0xFF39822F)
YUV	98.7110, -25.4935, -36.5805
Hunter-Lab	41.2800, -28.2070, 21.0802

Details

The XYZ color **10.1831, 17.0404, 5.4417** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **12.7923, 7.6383, 21.9202**, and the grayscale version is **11.8525, 12.4698, 13.5796**.

A 20% lighter version of the original color is **25.8074, 38.5050, 17.1384**, and **2.8687, 5.7373, 0.9562** is the 20% darker color. If you saturate the color by 10%, you get **9.3790, 16.6523, 4.2334**, and if you desaturate by 10%, it is **11.2130, 17.5369, 7.0693**.

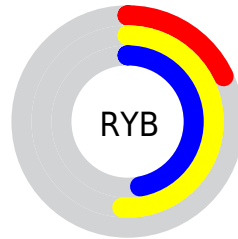
Distribution



Red (22%)

Green (51%)

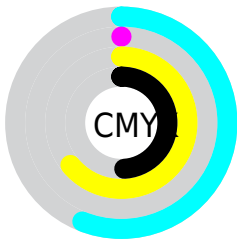
Blue (18%)



Red (18%)

Yellow (51%)

Blue (47%)

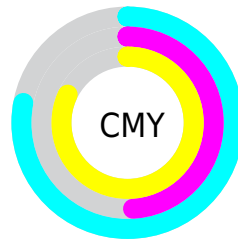


Cyan (56%)

Magenta (0%)

Yellow (64%)

Black (49%)



Cyan (78%)


Magenta (49%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1831, 17.0404, 5.4417 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 10.1831, 17.0404, 5.4417 by changing the saturation by 10% instead.


 10.1831, 17.0404,
5.4417


 10.1831, 17.0404,
5.4417


186.0004,
235.4051, 163.1087


 5.5837, 10.2633,
2.4454


 25.7859, 38.3952,
17.2178


 2.6319, 5.5739,
0.8110

 37.5200, 53.7417,
26.8347


 0.9622, 2.5878,
0.0000

 52.3631, 72.7135,
39.4956

 0.0000, 0.9205,
0.0000

 70.6805, 95.6949,
55.6191

 0.0000, 0.0000,
0.0000

 92.8376, 123.0704,
75.6236

 119.1997,

155.2243, 99.9276

150.1322,
192.5411, 128.9498

■ 10.1831, 17.0404,
5.4417

■ 10.1831, 17.0404,
5.4417

■ 9.3790, 16.6523,
4.2334

■ 11.2130, 17.5369,
7.0693

■ 8.7824, 16.3625,
3.4049

■ 12.4829, 18.1468,
9.1486

■ 8.3733, 16.1621,
2.9081

■ 14.0072, 18.8775,
11.7102

■ 8.1909, 16.0732,
2.6707

■ 15.7987, 19.7350,
14.7817

■ 17.8696, 20.7248,
18.3887

■ 20.2311, 21.8525,
22.5549

■ 22.8938, 23.1228,
27.3028

■ 25.8680, 24.5407,
32.6534

■ 29.1632, 26.1106,
38.6269

Harmonies

Analogous

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



13.5818, 17.0404, 2.7657



10.1831, 17.0404, 5.4417



8.5681, 17.0404, 13.0145

Triad

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



10.1831, 17.0404, 5.4417



14.1247, 17.0404, 59.9156



27.1501, 17.0404, 11.6992

Complementary

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



10.1831, 17.0404, 5.4417



12.7923, 7.6383, 21.9202

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.



27.3785, 17.0404, 25.4775



10.1831, 17.0404, 5.4417



19.1266, 17.0404, 58.9111

Square

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



10.1831, 17.0404, 5.4417



10.5102, 17.0404, 46.4962



24.2057, 17.0404, 44.2045



23.6337, 17.0404, 4.9029

Rectangle

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



10.1831, 17.0404, 5.4417



8.4504, 17.0404, 22.0201



24.2057, 17.0404, 44.2045



27.6358, 17.0404, 15.4724

Sweetspot

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



10.1835, 17.0411, 5.4421



29.3698, 35.4936, 28.7161



16.3087, 18.1297, 5.3294



6.4537, 7.9410, 6.1627



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.



10.1835, 17.0411, 5.4421



15.9580, 29.0539, 6.6612



10.5104, 17.1124, 9.8512



4.3205, 4.8417, 4.6269



7.8570, 15.4128, 2.5609



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7923, 7.6383, 21.9202



20.8901, 11.0124, 38.2171



12.5024, 7.6910, 12.7731



4.4488, 4.3870, 5.4256



10.5635, 4.9994, 20.6582



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1831, 17.0404, 5.4417 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



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

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

XYZ 10.1831, 17.0404, 5.4417

Background



This preview shows how black text looks on a background with the XYZ color 10.1831, 17.0404, 5.4417.



This preview shows how white text looks on a background with the XYZ color 10.1831, 17.0404,

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

10.1831, 17.0404, 5.4417

Protanopia

15.2058, 16.7211, 4.7116

Deuteranopia

17.1190, 16.8663, 5.8433



Tritanopia

14.0260, 17.0809, 24.3875

Trichromacy



Original Color

10.1831, 17.0404, 5.4417

Protanomaly

12.6506, 16.4396, 4.8893

Deuteranomaly

13.3892, 16.2766, 5.5680

Tritanomaly

12.0665, 16.8358, 14.9256

Monochromacy



Original Color

10.1831, 17.0404, 5.4417

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.6801, 13.6159, 9.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1831, 17.0404, 5.4417 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(57, 130, 47)` looks like.

```
.text, #text, p{  
    color:rgb(57, 130, 47)  
}
```

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(57, 130, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 130, 47) }
```

Border

The CSS property to change the border of an element to XYZ 10.1831, 17.0404, 5.4417 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(57, 130, 47) }
```


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

```
.border{ border-color:rgb(57, 130, 47) }
```

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

Here you see how a box with a 4 pixel rgb(57, 130, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 130, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 130, 47);  
box-shadow:4px 4px 4px 4px rgb(57, 130,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1831, 17.0404, 5.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 130, 47) }
```

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

```
.background{ background-color: rgb(57, 130,  
47) }
```

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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