

Converting Colors

XYZ(17.9721, 30.6515, 10.9492)

Have a look what the booklet for
XYZ(17.9721, 30.6515, 10.9492)
contains.

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Color

**XYZ(18.0150, 30.7740,
10.9517)**

Conversions

Conversions Part 1

Format	Color
Hex	43AB47
RGB	67, 171, 71
RGB Percent	26%, 67%, 28%
CMY	0.7372, 0.3294, 0.7216
CMYK	0.61, 0.00, 0.58, 0.33
HSL	122°, 44%, 47%
HSV	122°, 61%, 67%
XYZ	18.0150, 30.7740, 10.9517
YIQ	128.5040, -29.8840, -53.1480

Conversions

Conversions Part 2

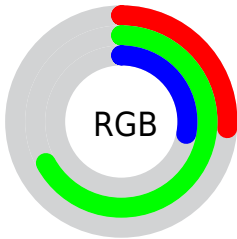
Format	Color
RYB	67, 167, 171
Decimal	4434759
CIELab	62.32, -50.36, 42.02
CIElCh	62, 65.585, 140.160
Yxy	30.7740, 0.3016, 0.5151
Android (android.graphics.Color)	4282624839 (0xFF43AB47)
YUV	128.5040, -28.3495, -53.9390
Hunter-Lab	55.4743, -39.1131, 27.1270

Details

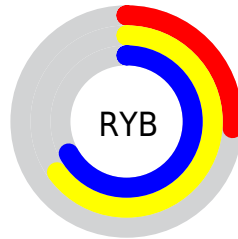
The XYZ color **18.0150, 30.7740, 10.9517** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.7777, 15.4628, 38.1861**, and the grayscale version is **20.7969, 21.8800, 23.8273**.

A 20% lighter version of the original color is **39.4394, 60.7033, 28.0506**, and **6.5960, 13.0039, 2.7785** is the 20% darker color. If you saturate the color by 10%, you get **16.5531, 30.0742, 8.4919**, and if you desaturate by 10%, it is **19.9673, 31.7119, 14.1811**.

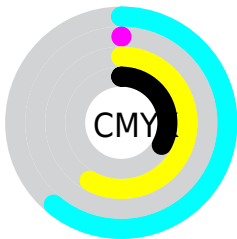
Distribution



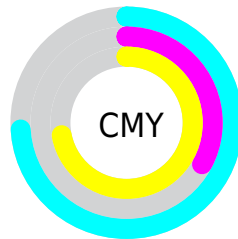
- Red (26%)
- Green (67%)
- Blue (28%)



- Red (26%)
- Yellow (65%)
- Blue (67%)



- Cyan (61%)
- Magenta (0%)
- Yellow (58%)
- Black (33%)





- Cyan (74%)
- Magenta (33%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0150, 30.7740, 10.9517 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 18.0150, 30.7740, 10.9517 by changing the saturation by 10% instead.


 18.0150, 30.7740,
10.9517


 18.0150, 30.7740,
10.9517

233.9995,
305.4958, 208.0614


 11.0605, 20.4268,
5.9206


 39.5928, 60.8841,
28.2061


 6.1751, 12.7057,
2.7289


 54.9468, 81.4158,
41.2665


 2.9935, 7.2262,
0.9579


 73.8313, 106.1111,
57.8404

 1.1503, 3.6040,
0.0000

 96.6117, 135.3544,
78.3463

 0.0666, 1.4546,
0.0000

 123.6534,
169.5301, 103.2029

 0.0000, 0.2564,
0.0000

155.3217,

 0.0000, 0.0000,

209.0227, 132.8285

0.0000

191.9819,
254.2164, 167.6419

■ 18.0150, 30.7740,
10.9517

■ 18.0150, 30.7740,
10.9517

■ 16.5531, 30.0742,
8.4919

■ 19.9673, 31.7119,
14.1811

■ 15.5361, 29.5877,
6.7359

■ 22.4460, 32.9025,
18.2346

■ 14.9138, 29.2912,
5.6105

■ 25.4861, 34.3638,
23.1641

■ 14.5995, 29.1414,
5.0443

■ 29.1191, 36.1110,
29.0168

■ 33.3743, 38.1580,
35.8363

■ 38.2787, 40.5182,
43.6637

■ 43.8581, 43.2038,
52.5375

■ 50.1366, 46.2266,
62.4943

■ 57.1373, 49.5977,
73.5689

Harmonies

Analogous

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



23.7587, 30.7740, 5.3957



18.0150, 30.7740, 10.9517



15.4624, 30.7740, 25.8372

Triad

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



18.0150, 30.7740, 10.9517



26.4320, 30.7740, 108.3104



48.3500, 30.7740, 19.3398

Complementary

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



18.0150, 30.7740, 10.9517



25.7777, 15.4628, 38.1861

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.



49.4682, 30.7740, 42.5633



18.0150, 30.7740, 10.9517



35.5277, 30.7740, 103.4163

Square

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



18.0150, 30.7740, 10.9517



19.6308, 30.7740, 86.7181



44.3902, 30.7740, 75.5301



41.5875, 30.7740, 8.2613

Rectangle

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



18.0150, 30.7740, 10.9517



15.4733, 30.7740, 42.8797



44.3902, 30.7740, 75.5301



49.4447, 30.7740, 25.6116

Sweetspot

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



18.0157, 30.7753, 10.9524



53.9478, 65.5357, 54.8538



31.6266, 37.8063, 10.9409



11.5759, 14.3960, 11.5026



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.0157, 30.7753, 10.9524



28.9261, 53.5153, 13.9793



20.4203, 31.7371, 23.6147



7.9165, 8.9442, 8.5854



11.0100, 21.9693, 3.8264



0.3102, 0.6127, 0.1273

Inverse Universe

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



25.7777, 15.4628, 38.1861



44.0344, 23.6653, 66.9550



21.9279, 13.9229, 17.9134



8.3236, 8.1427, 10.0147



17.7454, 8.5607, 27.3686



0.4977, 0.2398, 0.7825

Previews

White Background



This preview shows how the XYZ color 18.0150, 30.7740, 10.9517 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.0150, 30.7740, 10.9517 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 ✓ Pass

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

XYZ 18.0150, 30.7740, 10.9517

Background



This preview shows how black text looks on a background with the XYZ color 18.0150, 30.7740, 10.9517.



This preview shows how white text looks on a background with the XYZ color 18.0150, 30.7740,

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

18.0150, 30.7740, 10.9517

Protanopia

27.5864, 30.3013, 9.3958

Deuteranopia

30.7622, 30.2767, 11.6198



Tritanopia

24.5273, 30.4341, 44.1168

Trichromacy



Original Color

18.0150, 30.7740, 10.9517



Protanomaly

22.4459, 29.6048, 9.8415



Deuteranomaly

23.6802, 28.9670, 11.1806



Tritanomaly

21.2867, 30.1675, 27.9935

Monochromacy



Original Color

18.0150, 30.7740, 10.9517



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.6239, 24.0934, 17.8563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0150, 30.7740, 10.9517 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(67, 171, 71)` looks like.

```
.text, #text, p{  
    color:rgb(67, 171, 71)  
}
```

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(67, 171, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 171, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.0150, 30.7740, 10.9517 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(67, 171, 71) }
```


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

```
.border{ border-color:rgb(67, 171, 71) }
```

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

Here you see how a box with a 4 pixel rgb(67, 171, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 171, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 171, 71);  
box-shadow:4px 4px 4px 4px rgb(67, 171,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0150, 30.7740, 10.9517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 171, 71) }
```

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

```
.background{ background-color: rgb(67, 171,  
71) }
```

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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