

Converting Colors

XYZ(18.7185, 30.8235, 15.0079)

Have a look what the booklet for
XYZ(18.7185, 30.8235, 15.0079)
contains.

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Color

**XYZ(18.6904, 30.7511,
15.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	44AA5C
RGB	68, 170, 92
RGB Percent	27%, 67%, 36%
CMY	0.7333, 0.3333, 0.6392
CMYK	0.60, 0.00, 0.46, 0.33
HSL	134°, 43%, 47%
HSV	134°, 60%, 67%
XYZ	18.6904, 30.7511, 15.0757
YIQ	130.6100, -35.7540, -45.8820

Conversions

Conversions Part 2

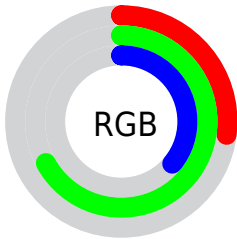
Format	Color
RYB	68, 151, 170
Decimal	4500060
CIELab	62.30, -46.73, 31.53
CIELCh	62, 56.371, 145.993
Yxy	30.7511, 0.2897, 0.4766
Android (android.graphics.Color)	4282690140 (0xFF44AA5C)
YUV	130.6100, -19.0347, -54.9090
Hunter-Lab	55.4537, -36.8813, 22.6989

Details

The XYZ color **18.6904, 30.7511, 15.0757** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.8339, 14.7562, 28.7871**, and the grayscale version is **21.5098, 22.6300, 24.6440**.

A 20% lighter version of the original color is **40.6117, 60.7359, 35.5693**, and **6.8159, 12.9044, 4.5144** is the 20% darker color. If you saturate the color by 10%, you get **17.1520, 30.0190, 12.2878**, and if you desaturate by 10%, it is **20.6717, 31.7020, 18.3948**.

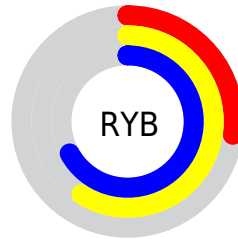
Distribution



Red (27%)

Green (67%)

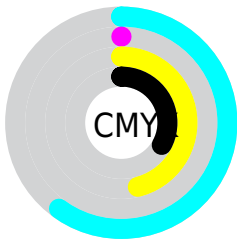
Blue (36%)



Red (27%)

Yellow (59%)

Blue (67%)

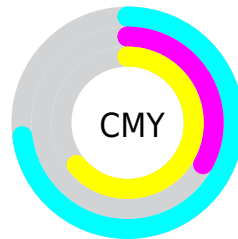


Cyan (60%)

Magenta (0%)

Yellow (46%)

Black (33%)



Cyan (73%)


Magenta (33%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6904, 30.7511, 15.0757 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 18.6904, 30.7511, 15.0757 by changing the saturation by 10% instead.


 18.6904, 30.7511,
15.0757


 18.6904, 30.7511,
15.0757


237.7053,
305.3900, 235.4805


 11.5495, 20.4094,
8.7253


 40.7312, 60.8480,
35.7301


 6.5077, 12.6930,
4.4681


 56.3618, 81.3720,
50.8712

 3.1997, 7.2175,
1.8855


 75.5530, 106.0588,
69.7796

 1.2603, 3.5985,
0.4835

 98.6701, 135.2929,
92.8739

 0.1532, 1.4516,
0.0000

 126.0786,
169.4587, 120.5726

 0.0000, 0.2543,
0.0000

158.1437,

 0.0000, 0.0000,

208.9406, 153.2942

0.0000

195.2308,
254.1229, 191.4574

■ 18.6904, 30.7511,
15.0757

■ 18.6904, 30.7511,
15.0757

■ 17.1520, 30.0190,
12.2878

■ 20.6717, 31.7020,
18.3948

■ 16.0185, 29.4841,
10.0013

■ 23.1252, 32.8836,
22.2687

■ 15.2491, 29.1269,
8.1867

■ 26.0803, 34.3115,
26.7219

■ 14.7583, 28.9038,
6.8088

■ 29.5633, 35.9988,
31.7770

■ 14.7583, 28.9038,
6.8088

■ 33.5988, 37.9576,
37.4554

■ 38.2096, 40.1994,
43.7772

■ 43.4173, 42.7349,
50.7619

■ 49.2424, 45.5742,
58.4280

■ 55.7045, 48.7271,
66.7934

Harmonies

Analogous

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



23.2676, 30.7511, 8.1612



18.6904, 30.7511, 15.0757



16.9170, 30.7511, 30.6366

Triad

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



18.6904, 30.7511, 15.0757



28.2166, 30.7511, 95.1752



44.4678, 30.7511, 18.2587

Complementary

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



18.6904, 30.7511, 15.0757



23.8339, 14.7562, 28.7871

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.



46.4078, 30.7511, 36.4998



18.6904, 30.7511, 15.0757



36.1282, 30.7511, 87.1062

Square

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



18.6904, 30.7511, 15.0757



21.7781, 30.7511, 81.6793



43.1278, 30.7511, 62.8475



38.2084, 30.7511, 9.3591

Rectangle

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



18.6904, 30.7511, 15.0757



17.2885, 30.7511, 46.4203



43.1278, 30.7511, 62.8475



45.6887, 30.7511, 23.2044

Sweetspot

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



18.6912, 30.7524, 15.0764



54.7917, 65.8733, 59.2981



27.3089, 35.2976, 10.8428



11.7853, 14.4798, 12.6051



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.



18.6912, 30.7524, 15.0764



30.3613, 54.1052, 20.8244



21.7023, 31.9568, 30.9327



7.5064, 8.4356, 8.3869



10.8746, 21.2686, 5.1067



0.2836, 0.5251, 0.2242

Inverse Universe

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



23.8339, 14.7562, 28.7871



40.4869, 22.4358, 47.6900



20.7202, 13.5107, 12.3904



7.7653, 7.6360, 9.0812



15.1809, 7.4811, 16.2960



0.3873, 0.1892, 0.4908

Previews

White Background



This preview shows how the XYZ color 18.6904, 30.7511, 15.0757 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 18.6904, 30.7511, 15.0757 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 18.6904, 30.7511, 15.0757

Background



This preview shows how black text looks on a background with the XYZ color 18.6904, 30.7511, 15.0757.



This preview shows how white text looks on a background with the XYZ color 18.6904, 30.7511,

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

18.6904, 30.7511, 15.0757

Protanopia

27.8559, 30.3611, 12.9864

Deuteranopia

30.8970, 30.2491, 16.0146



Tritanopia

24.6013, 30.7194, 44.6772

Trichromacy



Original Color

18.6904, 30.7511, 15.0757



Protanomaly

22.8717, 29.4856, 13.7184



Deuteranomaly

24.1500, 29.1160, 15.4134



Tritanomaly

21.7892, 30.3584, 31.0969

Monochromacy



Original Color

18.6904, 30.7511, 15.0757



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.5206, 24.7233, 20.5728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6904, 30.7511, 15.0757 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(68, 170, 92)` looks like.

```
.text, #text, p{  
    color:rgb(68, 170, 92)  
}
```

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(68, 170, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 170, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.6904, 30.7511, 15.0757 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(68, 170, 92) }
```


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

```
.border{ border-color:rgb(68, 170, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 170, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 170, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 170, 92);  
box-shadow:4px 4px 4px 4px rgb(68, 170,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6904, 30.7511, 15.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 170, 92) }
```

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

```
.background{ background-color: rgb(68, 170,  
92) }
```

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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