

Converting Colors

XYZ(18.7388, 31.0290, 14.4180)

Have a look what the booklet for
XYZ(18.7388, 31.0290, 14.4180)
contains.

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Color

**XYZ(18.7500, 31.0760,
14.4612)**

Conversions

Conversions Part 1

Format	Color
Hex	44AB59
RGB	68, 171, 89
RGB Percent	27%, 67%, 35%
CMY	0.7333, 0.3294, 0.6510
CMYK	0.60, 0.00, 0.48, 0.33
HSL	132°, 43%, 47%
HSV	132°, 60%, 67%
XYZ	18.7500, 31.0760, 14.4612
YIQ	130.8550, -35.0660, -47.3380

Conversions

Conversions Part 2

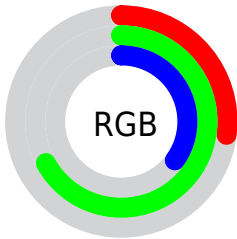
Format	Color
RYB	68, 154, 171
Decimal	4500313
CIELab	62.57, -47.61, 33.43
CIELCh	63, 58.169, 144.925
Yxy	31.0760, 0.2917, 0.4834
Android (android.graphics.Color)	4282690393 (0xFF44AB59)
YUV	130.8550, -20.6345, -55.1238
Hunter-Lab	55.7459, -37.5171, 23.6415

Details

The XYZ color **18.7500, 31.0760, 14.4612** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **24.3677, 14.9948, 30.4653**, and the grayscale version is **21.6026, 22.7276, 24.7504**.

A 20% lighter version of the original color is **40.8069, 61.2672, 34.4860**, and **6.8787, 13.1170, 4.2671** is the 20% darker color. If you saturate the color by 10%, you get **17.2071, 30.3416, 11.6761**, and if you desaturate by 10%, it is **20.7480, 32.0346, 17.8209**.

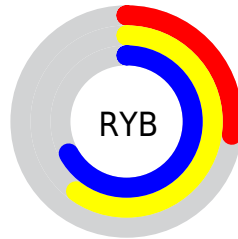
Distribution



Red (27%)

Green (67%)

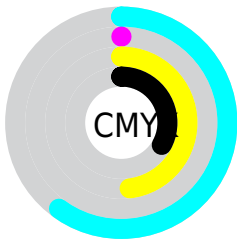
Blue (35%)



Red (27%)

Yellow (60%)

Blue (67%)

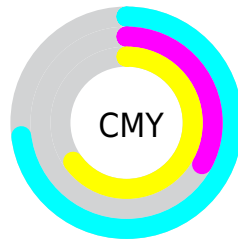


Cyan (60%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (73%)

Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7500, 31.0760, 14.4612 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 18.7500, 31.0760, 14.4612 by changing the saturation by 10% instead.

■ 18.7500, 31.0760,
14.4612

■ 18.7500, 31.0760,
14.4612

238.0298,
306.8883, 231.6087

■ 11.5927, 20.6567,
8.2997

■ 40.8314, 61.3597,
34.6340

■ 6.5372, 12.8733,
4.1968

■ 56.4862, 81.9929,
49.4824

■ 3.2181, 7.3414,
1.7339

■ 75.7042, 106.7996,
68.0635

■ 1.2701, 3.6765,
0.3838

■ 98.8507, 136.1641,
90.7958

■ 0.1607, 1.4943,
0.0000

■ 126.2912,
170.4708, 118.0980

■ 0.0000, 0.2847,
0.0000

158.3910,

■ 0.0000, 0.0000,

210.1042, 150.3885

0.0000

195.5154,
255.4485, 188.0859

■ 18.7500, 31.0760,
14.4612

■ 18.7500, 31.0760,
14.4612

■ 17.2071, 30.3416,
11.6761

■ 20.7480, 32.0346,
17.8209

■ 16.0800, 29.8090,
9.4313

■ 23.2317, 33.2299,
21.7827

■ 15.3262, 29.4581,
7.6919

■ 26.2316, 34.6779,
26.3750

■ 14.8648, 29.2475,
6.4415

■ 29.7751, 36.3921,
31.6237

■ 33.8875, 38.3851,
37.5532

■ 38.5926, 40.6687,
44.1867

■ 43.9128, 43.2540,
51.5463

■ 49.8694, 46.1515,
59.6531

■ 56.4825, 49.3711,
68.5274

Harmonies

Analogous

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



23.5759, 31.0760, 7.7030



18.7500, 31.0760, 14.4612



16.8227, 31.0760, 30.1254

Triad

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



18.7500, 31.0760, 14.4612



28.2109, 31.0760, 98.4700



45.6001, 31.0760, 18.5909

Complementary

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



18.7500, 31.0760, 14.4612



24.3677, 14.9948, 30.4653

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.



47.4381, 31.0760, 37.8405



18.7500, 31.0760, 14.4612



36.4262, 31.0760, 90.7539

Square

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



18.7500, 31.0760, 14.4612



21.6258, 31.0760, 83.5124



43.8253, 31.0760, 65.5726



39.1742, 31.0760, 9.2318

Rectangle

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



18.7500, 31.0760, 14.4612



17.1364, 31.0760, 46.3499



43.8253, 31.0760, 65.5726



46.8185, 31.0760, 23.8061

Sweetspot

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



18.7508, 31.0773, 14.4619



54.6539, 65.8182, 58.5724



28.2589, 36.0667, 10.9413



11.7509, 14.4660, 12.4243



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.



18.7508, 31.0773, 14.4619



30.1267, 54.0114, 19.5889



21.6887, 32.2525, 29.9329



7.9688, 8.9651, 8.8607



11.2213, 22.0538, 4.9393



0.3310, 0.6211, 0.2368

Inverse Universe

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



24.3677, 14.9948, 30.4653



41.0234, 22.6505, 50.5153



21.1099, 13.6917, 13.3100



8.2661, 8.1197, 9.7118



16.0372, 7.8774, 18.3733



0.4636, 0.2261, 0.6032

Previews

White Background



This preview shows how the XYZ color 18.7500, 31.0760, 14.4612 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 18.7500, 31.0760, 14.4612 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 18.7500, 31.0760, 14.4612

Background



This preview shows how black text looks on a background with the XYZ color 18.7500, 31.0760, 14.4612.



This preview shows how white text looks on a background with the XYZ color 18.7500, 31.0760,

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

18.7500, 31.0760, 14.4612

Protanopia

27.9464, 30.4212, 12.3816

Deuteranopia

31.1406, 30.6148, 15.3343



Tritanopia

24.6992, 30.7699, 44.6818

Trichromacy



Original Color

18.7500, 31.0760, 14.4612



Protanomaly

23.0725, 29.8554, 13.1410



Deuteranomaly

24.3466, 29.4770, 14.7623



Tritanomaly

21.9803, 30.7324, 30.7601

Monochromacy



Original Color

18.7500, 31.0760, 14.4612



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.6156, 25.0069, 20.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7500, 31.0760, 14.4612 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, 171, 89)` looks like.

```
.text, #text, p{  
    color:rgb(68, 171, 89)  
}
```

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, 171, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 171, 89) }
```

Border

The CSS property to change the border of an element to XYZ 18.7500, 31.0760, 14.4612 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, 171, 89) }
```


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

```
.border{ border-color:rgb(68, 171, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 171, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 171, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 171, 89);  
box-shadow:4px 4px 4px 4px rgb(68, 171,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7500, 31.0760, 14.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 171, 89) }
```

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

```
.background{ background-color: rgb(68, 171,  
89) }
```

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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