

Converting Colors

XYZ(18.5359, 31.4761, 22.2755)

Have a look what the booklet for
XYZ(18.5359, 31.4761, 22.2755)
contains.

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Color

**XYZ(18.4448, 31.3143,
22.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	11AD76
RGB	17, 173, 118
RGB Percent	7%, 68%, 46%
CMY	0.9333, 0.3216, 0.5372
CMYK	0.90, 0.00, 0.32, 0.32
HSL	159°, 82%, 37%
HSV	159°, 90%, 68%
XYZ	18.4448, 31.3143, 22.2117
YIQ	120.0860, -75.3210, -50.1770

Conversions

Conversions Part 2

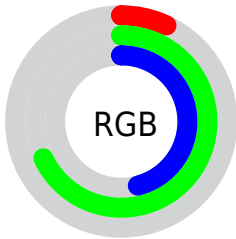
Format	Color
RYB	17, 112, 173
Decimal	1158518
CIELab	62.77, -50.06, 18.08
CIELCh	63, 53.222, 160.142
Yxy	31.3143, 0.2563, 0.4351
Android (android.graphics.Color)	4279348598 (0xFF11AD76)
YUV	120.0860, -1.0284, -90.4064
Hunter-Lab	55.9592, -39.0929, 15.6376

Details

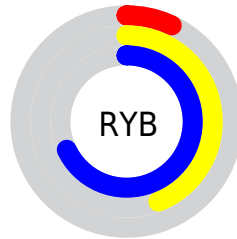
The XYZ color **18.4448, 31.3143, 22.2117** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.6050, 9.7539, 7.0355**, and the grayscale version is **17.9022, 18.8345, 20.5108**.

A 20% lighter version of the original color is **40.0989, 61.4277, 47.7735**, and **7.6710, 13.6233, 7.8555** is the 20% darker color. If you saturate the color by 10%, you get **17.8689, 31.0581, 20.3831**, and if you desaturate by 10%, it is **19.2587, 31.6914, 24.2046**.

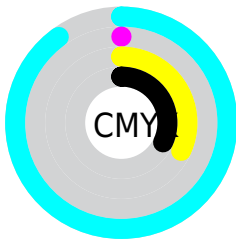
Distribution



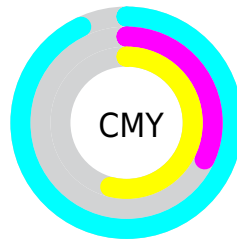
- Red (7%)
- Green (68%)
- Blue (46%)



- Red (7%)
- Yellow (44%)
- Blue (68%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (32%)





- Cyan (93%)
- Magenta (32%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4448, 31.3143, 22.2117 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 18.4448, 31.3143, 22.2117 by changing the saturation by 10% instead.


 18.4448, 31.3143,
22.2117


 18.4448, 31.3143,
22.2117


236.3637,
307.9837, 276.6393


 11.3714, 20.8383,
13.8127


 40.3180, 61.7346,
48.0023


 6.3864, 13.0059,
7.8533


 55.8485, 82.4476,
66.2310


 3.1243, 7.4326,
3.9148


 74.9287, 107.3418,
88.5734

 1.2198, 3.7341,
1.5787

 97.9241, 136.8015,
115.4480

 0.1219, 1.5259,
0.2756

 125.1999,
171.2112, 147.2734

 0.0000, 0.3069,
0.0000

 157.1216,

 0.0000, 0.0000,

210.9552, 184.4680

0.0000

194.0544,
256.4179, 227.4505

■ 18.4448, 31.3143,
22.2117

■ 18.4448, 31.3143,
22.2117

■ 17.8689, 31.0581,
20.3831

■ 19.2587, 31.6914,
24.2046

■ 20.3833, 32.2252,
26.3359

■ 21.8577, 32.9364,
28.6105

■ 23.7143, 33.8419,
31.0319

■ 25.9820, 34.9563,
33.6035

■ 28.6864, 36.2930,
36.3286

■ 31.8512, 37.8640,
39.2102

■ 35.4983, 39.6806,
42.2513

■ 39.6482, 41.7534,
45.4548

Harmonies

Analogous

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



21.6214, 31.3143, 11.7165



18.4448, 31.3143, 22.2117



18.0024, 31.3143, 41.6521

Triad

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



18.4448, 31.3143, 22.2117



32.2964, 31.3143, 90.7315



41.7960, 31.3143, 14.2333

Complementary

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



18.4448, 31.3143, 22.2117



18.6050, 9.7539, 7.0355

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.



45.7760, 31.3143, 27.5138



18.4448, 31.3143, 22.2117



39.7288, 31.3143, 74.8344

Square

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



18.4448, 31.3143, 22.2117



25.2575, 31.3143, 87.3986



44.9633, 31.3143, 49.6054



34.7754, 31.3143, 8.5838

Rectangle

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



18.4448, 31.3143, 22.2117



19.2262, 31.3143, 58.4440



44.9633, 31.3143, 49.6054



43.5818, 31.3143, 17.6691

Sweetspot

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



18.4456, 31.3155, 22.2124



52.8183, 65.7127, 66.4230



17.8856, 31.3929, 5.6476



11.0984, 14.0924, 14.0755



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.



18.4456, 31.3155, 22.2124



31.8956, 55.5795, 35.9474



19.0359, 25.6593, 43.4860



8.1146, 9.0234, 9.6284



13.1548, 22.8272, 15.1206



0.3906, 0.6449, 0.5505

Inverse Universe

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



18.6050, 9.7539, 7.0355



32.2803, 16.4776, 8.8996



18.0226, 10.2993, 1.5689



8.1175, 8.0603, 8.9296



13.3044, 6.7843, 3.9822



0.3965, 0.1993, 0.2499

Previews

White Background



This preview shows how the XYZ color 18.4448, 31.3143, 22.2117 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 18.4448, 31.3143, 22.2117 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 18.4448, 31.3143, 22.2117

Background



This preview shows how black text looks on a background with the XYZ color 18.4448, 31.3143, 22.2117.



This preview shows how white text looks on a background with the XYZ color 18.4448, 31.3143,

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

18.4448, 31.3143, 22.2117

Protanopia

28.6737, 30.8973, 18.6399

Deuteranopia

31.2190, 30.7047, 23.3500



Tritanopia

23.5163, 31.1570, 47.4223

Trichromacy



Original Color

18.4448, 31.3143, 22.2117



Protanomaly

21.6294, 29.2173, 19.8288



Deuteranomaly

22.5703, 28.6297, 22.7489



Tritanomaly

21.1706, 30.9975, 36.7656

Monochromacy



Original Color

18.4448, 31.3143, 22.2117



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1297, 21.6361, 20.7788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4448, 31.3143, 22.2117 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(17, 173, 118)` looks like.

```
.text, #text, p{  
  color:rgb(17, 173, 118)  
}
```

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(17, 173, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 173, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.4448, 31.3143, 22.2117 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(17, 173, 118) }
```


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

```
.border{ border-color:rgb(17, 173, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 173, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 173, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 173, 118);  
box-shadow:4px 4px 4px 4px rgb(17, 173,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4448, 31.3143, 22.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 173, 118) }
```

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

```
.background{ background-color: rgb(17, 173,  
118) }
```

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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