

Converting Colors

XYZ(10.8445, 18.0431, 12.1348)

Have a look what the booklet for
XYZ(10.8445, 18.0431, 12.1348)
contains.

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Color

**XYZ(10.8516, 18.0461,
12.1438)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8658
RGB	31, 134, 88
RGB Percent	12%, 53%, 35%
CMY	0.8784, 0.4745, 0.6549
CMYK	0.77, 0.00, 0.34, 0.47
HSL	153°, 62%, 32%
HSV	153°, 77%, 53%
XYZ	10.8516, 18.0461, 12.1438
YIQ	97.9590, -46.6220, -36.1420

Conversions

Conversions Part 2

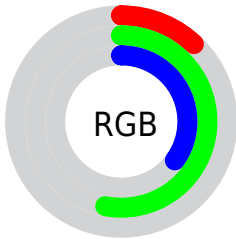
Format	Color
RYB	31, 97, 134
Decimal	2066008
CIELab	49.55, -39.99, 16.75
CIELCh	50, 43.356, 157.274
Yxy	18.0461, 0.2644, 0.4397
Android (android.graphics.Color)	4280256088 (0xFF1F8658)
YUV	97.9590, -4.9098, -58.7230
Hunter-Lab	42.4807, -28.7438, 12.7875

Details

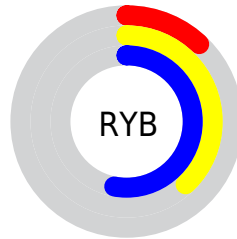
The XYZ color **10.8516, 18.0461, 12.1438** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.6616, 6.5845, 7.6780**, and the grayscale version is **11.6198, 12.2249, 13.3129**.

A 20% lighter version of the original color is **26.9843, 40.0767, 30.3581**, and **3.5112, 6.3537, 3.2318** is the 20% darker color. If you saturate the color by 10%, you get **10.2911, 17.7851, 10.8764**, and if you desaturate by 10%, it is **11.6013, 18.4032, 13.5271**.

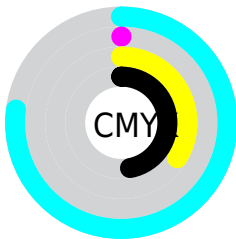
Distribution



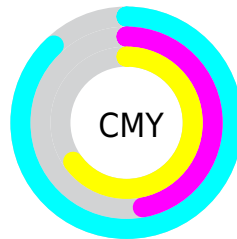
- Red (12%)
- Green (53%)
- Blue (35%)



- Red (12%)
- Yellow (38%)
- Blue (53%)



- Cyan (77%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)



- Cyan (88%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8516, 18.0461, 12.1438 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 10.8516, 18.0461, 12.1438 by changing the saturation by 10% instead.

■ 10.8516, 18.0461,
12.1438

■ 10.8516, 18.0461,
12.1438

190.5760,
241.1308, 216.3666

■ 6.0337, 10.9831,
6.7180

■ 27.0208, 40.1159,
30.4250

■ 2.9064, 6.0555,
3.2106

■ 39.1028, 55.8914,
44.1175

■ 1.1045, 2.8788,
1.2031

■ 54.3369, 75.3399,
61.4026

■ 0.0289, 1.0688,
0.0000

■ 73.0884, 98.8458,
82.6989

■ 0.0000, 0.0000,
0.0000

■ 95.7228, 126.7934,
108.4249

■ 122.6052,

159.5672, 138.9992

154.1012,
197.5515, 174.8402

■ 10.8516, 18.0461,
12.1438

■ 10.8516, 18.0461,
12.1438

■ 10.2911, 17.7851,
10.8764

■ 11.6013, 18.4032,
13.5271

■ 9.8836, 17.6002,
9.7196

■ 12.5577, 18.8640,
15.0284

■ 9.7667, 17.5474,
9.3783

■ 13.7380, 19.4378,
16.6513

■ 15.1571, 20.1322,
18.3988

■ 16.8283, 20.9539,
20.2737

■ 18.7642, 21.9096,
22.2787

■ 20.9764, 23.0049,
24.4167

■ 23.4757, 24.2457,
26.6900

■ 26.2726, 25.6370,
29.1012

Harmonies

Analogous

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



12.8010, 18.0461, 6.5888



10.8516, 18.0461, 12.1438



10.4517, 18.0461, 22.6535

Triad

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



10.8516, 18.0461, 12.1438



18.1715, 18.0461, 51.6985



24.2338, 18.0461, 8.8894

Complementary

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



10.8516, 18.0461, 12.1438



11.6616, 6.5845, 7.6780

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.



26.2372, 18.0461, 16.9229



10.8516, 18.0461, 12.1438



22.3923, 18.0461, 43.6954

Square

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



10.8516, 18.0461, 12.1438



14.2791, 18.0461, 48.7569



25.5145, 18.0461, 29.7439



20.3871, 18.0461, 5.3013

Rectangle

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



10.8516, 18.0461, 12.1438



11.0479, 18.0461, 31.9397



25.5145, 18.0461, 29.7439



25.1710, 18.0461, 11.0017

Sweetspot

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



10.8521, 18.0468, 12.1442



30.7412, 37.4560, 36.8795



11.8618, 18.7423, 4.2889



6.6968, 8.3256, 8.0657



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.8521, 18.0468, 12.1442



17.6054, 31.0955, 17.6844



12.6992, 17.6743, 25.2973



4.7161, 5.2447, 5.5162



9.1579, 16.4460, 8.8172



0.0354, 0.0584, 0.0499

Inverse Universe

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



11.6616, 6.5845, 7.6780



19.1219, 9.8983, 9.5218



10.7147, 6.4384, 1.9745



4.7526, 4.7207, 5.3094



9.9794, 5.0561, 4.4638



0.0382, 0.0190, 0.0344

Previews

White Background



This preview shows how the XYZ color 10.8516, 18.0461, 12.1438 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



This preview shows how the XYZ color 10.8516, 18.0461, 12.1438 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 × Fail

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

XYZ 10.8516, 18.0461, 12.1438

Background



This preview shows how black text looks on a background with the XYZ color 10.8516, 18.0461, 12.1438.



This preview shows how white text looks on a background with the XYZ color 10.8516, 18.0461,

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

10.8516, 18.0461, 12.1438

Protanopia

16.5989, 17.8287, 10.3510

Deuteranopia

18.0865, 17.6970, 12.8185



Tritanopia

13.8822, 18.0855, 26.8039

Trichromacy



Original Color

10.8516, 18.0461, 12.1438

Protanomaly

13.0968, 17.0813, 10.9943

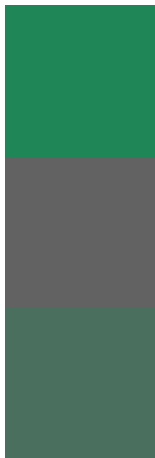
Deuteranomaly

13.6418, 16.7849, 12.4183

Tritanomaly

12.4995, 17.9022, 20.5660

Monochromacy



Original Color

10.8516, 18.0461, 12.1438

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.5289, 13.6329, 12.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8516, 18.0461, 12.1438 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(31, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(31, 134, 88)  
}
```

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(31, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 134, 88) }
```

Border

The CSS property to change the border of an element to XYZ 10.8516, 18.0461, 12.1438 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(31, 134, 88) }
```


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

```
.border{ border-color:rgb(31, 134, 88) }
```

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

Here you see how a box with a 4 pixel rgb(31, 134, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(31, 134,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8516, 18.0461, 12.1438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 134, 88) }
```

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

```
.background{ background-color: rgb(31, 134,  
88) }
```

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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