

Converting Colors

XYZ(10.7561, 18.7601, 5.8072)

Have a look what the booklet for
XYZ(10.7561, 18.7601, 5.8072)
contains.

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Color

**XYZ(10.7458, 18.7577,
5.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	318930
RGB	49, 137, 48
RGB Percent	19%, 54%, 19%
CMY	0.8078, 0.4627, 0.8118
CMYK	0.64, 0.00, 0.65, 0.46
HSL	119°, 48%, 36%
HSV	119°, 65%, 54%
XYZ	10.7458, 18.7577, 5.8505
YIQ	100.5420, -23.8790, -46.3350

Conversions

Conversions Part 2

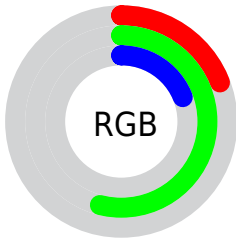
Format	Color
R_{YB}	48, 137, 136
Decimal	3246384
CIE _{Lab}	50.40, -44.45, 39.02
CIE _{LCh}	50, 59.143, 138.722
Yxy	18.7577, 0.3039, 0.5306
Android (android.graphics.Color)	4281436464 (0xFF318930)
YUV	100.5420, -25.9032, -45.2023
Hunter-Lab	43.3102, -31.5047, 22.3080

Details

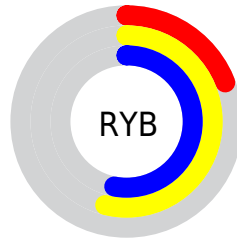
The XYZ color **10.7458, 18.7577, 5.8505** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.7266, 9.1549, 24.6061**, and the grayscale version is **12.3210, 12.9627, 14.1164**.

A 20% lighter version of the original color is **26.7793, 41.2076, 18.0977**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.9478, 18.3746, 4.5587**, and if you desaturate by 10%, it is **11.8285, 19.2785, 7.6125**.

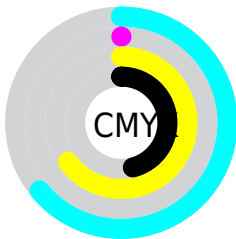
Distribution



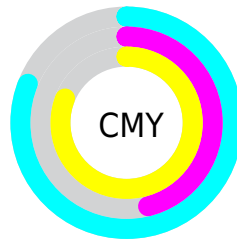
- Red (19%)
- Green (54%)
- Blue (19%)



- Red (19%)
- Yellow (54%)
- Blue (53%)



- Cyan (64%)
- Magenta (0%)
- Yellow (65%)
- Black (46%)





- Cyan (81%)
- Magenta (46%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7458, 18.7577, 5.8505 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 10.7458, 18.7577, 5.8505 by changing the saturation by 10% instead.


 10.7458, 18.7577,
5.8505


 10.7458, 18.7577,
5.8505


189.8597,
245.1078, 166.9889


 5.9622, 11.4953,
2.6871


 26.8263, 41.3243,
18.0921


 2.8625, 6.4010,
0.9369


 38.8539, 57.3973,
28.0073


 1.0815, 3.0904,
0.0000

 54.0268, 77.1759,
41.0102

 0.0096, 1.1791,
0.0000

 72.7105, 101.0446,
57.5193

 0.0000, 0.0446,
0.0000

 95.2703, 129.3877,
77.9532

 0.0000, 0.0000,
0.0000

 122.0715,

162.5897, 102.7304

153.4795,
201.0350, 132.2695

■ 10.7458, 18.7577,
5.8505

■ 10.7458, 18.7577,
5.8505

■ 9.9478, 18.3746,
4.5587

■ 11.8285, 19.2785,
7.6125

■ 9.4066, 18.1143,
3.6909

■ 13.2178, 19.9460,
9.8824

■ 9.0885, 17.9612,
3.1860

■ 14.9351, 20.7708,
12.6959

■ 8.9653, 17.9020,
2.9829

■ 16.9994, 21.7620,
16.0848

■ 19.4282, 22.9283,
20.0786

■ 22.2380, 24.2773,
24.7048

■ 25.4441, 25.8165,
29.9892

■ 29.0612, 27.5528,
35.9561

■ 33.1029, 29.4929,
42.6285

Harmonies

Analogous

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



14.5112, 18.7577, 2.7211



10.7458, 18.7577, 5.8505



9.0380, 18.7577, 14.8382

Triad

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



10.7458, 18.7577, 5.8505



15.7534, 18.7577, 69.8468



30.4780, 18.7577, 11.8556

Complementary

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



10.7458, 18.7577, 5.8505



15.7266, 9.1549, 24.6061

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.



31.0121, 18.7577, 27.2604



10.7458, 18.7577, 5.8505



21.6167, 18.7577, 67.4601

Square

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



10.7458, 18.7577, 5.8505



11.4862, 18.7577, 54.6415



27.4911, 18.7577, 49.2301



26.1589, 18.7577, 4.6764

Rectangle

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



10.7458, 18.7577, 5.8505



8.9837, 18.7577, 25.6098



27.4911, 18.7577, 49.2301



31.1361, 18.7577, 15.9902

Sweetspot

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



10.7462, 18.7585, 5.8509



32.7699, 40.0883, 32.6312



19.5871, 23.0052, 6.2047



7.1097, 8.8762, 6.9237



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.7462, 18.7585, 5.8509



17.2985, 32.6564, 7.3346



12.0542, 19.2762, 12.9872



4.9767, 5.6107, 5.3731



8.3515, 16.6753, 2.7785



0.0561, 0.1111, 0.0185

Inverse Universe

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



15.7266, 9.1549, 24.6061



26.9379, 14.0431, 43.6740



13.3938, 8.2406, 11.4710



5.2284, 5.1262, 6.3197



13.5835, 6.5167, 22.5876



0.0911, 0.0437, 0.1501

Previews

White Background



This preview shows how the XYZ color 10.7458, 18.7577, 5.8505 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7458, 18.7577, 5.8505 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 10.7458, 18.7577, 5.8505

Background



This preview shows how black text looks on a background with the XYZ color 10.7458, 18.7577, 5.8505.



This preview shows how white text looks on a background with the XYZ color 10.7458, 18.7577,

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

10.7458, 18.7577, 5.8505

Protanopia

16.7057, 18.3546, 4.9478

Deuteranopia

18.6273, 18.2891, 6.1628



Tritanopia

15.0519, 18.6801, 27.2384

Trichromacy



Original Color

10.7458, 18.7577, 5.8505

Protanomaly

13.4140, 17.9360, 5.2376

Deuteranomaly

14.1349, 17.5465, 5.8906

Tritanomaly

12.8322, 18.3632, 16.5038

Monochromacy



Original Color

10.7458, 18.7577, 5.8505

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.0200, 14.4377, 10.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7458, 18.7577, 5.8505 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(49, 137, 48)` looks like.

```
.text, #text, p{  
    color:rgb(49, 137, 48)  
}
```

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(49, 137, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 137, 48) }
```

Border

The CSS property to change the border of an element to XYZ 10.7458, 18.7577, 5.8505 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(49, 137, 48) }
```


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

```
.border{ border-color:rgb(49, 137, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 137, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 137, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 137, 48);  
box-shadow:4px 4px 4px 4px rgb(49, 137,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7458, 18.7577, 5.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 137, 48) }
```

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

```
.background{ background-color: rgb(49, 137,  
48) }
```

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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