

Converting Colors

XYZ(12.1092, 18.6445, 14.4822)

Have a look what the booklet for
XYZ(12.1092, 18.6445, 14.4822)
contains.

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Color

**XYZ(12.0949, 18.6358,
14.5149)**

Conversions

Conversions Part 1

Format	Color
Hex	338662
RGB	51, 134, 98
RGB Percent	20%, 53%, 38%
CMY	0.8000, 0.4745, 0.6157
CMYK	0.62, 0.00, 0.27, 0.47
HSL	154°, 45%, 36%
HSV	154°, 62%, 53%
XYZ	12.0949, 18.6358, 14.5149
YIQ	105.0790, -37.9120, -28.7920

Conversions

Conversions Part 2

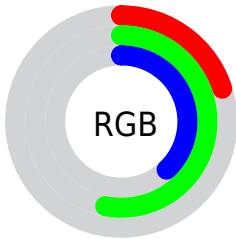
Format	Color
RYB	51, 104, 134
Decimal	3376738
CIELab	50.26, -34.10, 12.07
CIELCh	50, 36.177, 160.509
Yxy	18.6358, 0.2673, 0.4119
Android (android.graphics.Color)	4281566818 (0xFF338662)
YUV	105.0790, -3.4899, -47.4273
Hunter-Lab	43.1692, -25.5350, 10.2832

Details

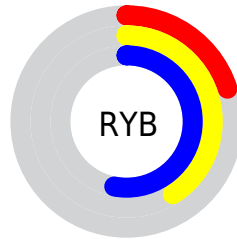
The XYZ color **12.0949, 18.6358, 14.5149** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.7362, 8.1245, 9.9142**, and the grayscale version is **13.4655, 14.1668, 15.4276**.

A 20% lighter version of the original color is **29.3519, 41.2005, 34.8393**, and **3.6908, 6.4255, 4.1777** is the 20% darker color. If you saturate the color by 10%, you get **11.2502, 18.2314, 13.0947**, and if you desaturate by 10%, it is **13.1552, 19.1500, 16.0501**.

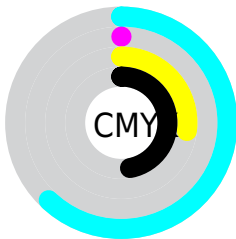
Distribution



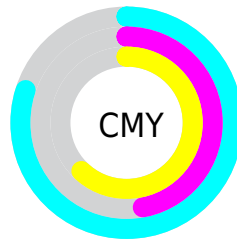
- Red (20%)
- Green (53%)
- Blue (38%)



- Red (20%)
- Yellow (41%)
- Blue (53%)



- Cyan (62%)
- Magenta (0%)
- Yellow (27%)
- Black (47%)





- Cyan (80%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0949, 18.6358, 14.5149 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 12.0949, 18.6358, 14.5149 by changing the saturation by 10% instead.


 12.0949, 18.6358,
14.5149


 12.0949, 18.6358,
14.5149


198.7896,
244.4307, 231.9497


 6.8810, 11.4074,
8.3368


 29.2832, 41.1178,
34.7301


 3.4335, 6.3416,
4.2204


 41.9883, 57.1402,
49.6043


 1.3869, 3.0539,
1.7470

 57.9212, 76.8626,
68.2142

 0.2469, 1.1599,
0.3926

 77.4472, 100.6697,
90.9785

 0.0000, 0.0286,
0.0000

 100.9317,
128.9456, 118.3157

 0.0000, 0.0000,
0.0000

 128.7400,

162.0748, 150.6442

161.2376,
200.4417, 188.3827

■ 12.0949, 18.6358,
14.5149

■ 12.0949, 18.6358,
14.5149

■ 11.2502, 18.2314,
13.0947

■ 13.1552, 19.1500,
16.0501

■ 10.6018, 17.9255,
11.7851

■ 14.4452, 19.7798,
17.7018

■ 10.1297, 17.7082,
10.5834

■ 15.9795, 20.5332,
19.4732

■ 9.8258, 17.5710,
9.6893

■ 17.7711, 21.4167,
21.3670

■ 19.8318, 22.4365,
23.3855

■ 22.1730, 23.5984,
25.5313

■ 24.8052, 24.9076,
27.8067

■ 27.7383, 26.3695,
30.2139

■ 30.9819, 27.9888,
32.7553

Harmonies

Analogous

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



13.6903, 18.6358, 8.8802



12.0949, 18.6358, 14.5149



11.8846, 18.6358, 24.0144

Triad

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



12.0949, 18.6358, 14.5149



18.9691, 18.6358, 45.7597



23.3392, 18.6358, 10.1683

Complementary

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



12.0949, 18.6358, 14.5149



12.7362, 8.1245, 9.9142

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.



25.1895, 18.6358, 16.9742



12.0949, 18.6358, 14.5149



22.4548, 18.6358, 38.7601

Square

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



12.0949, 18.6358, 14.5149



15.5605, 18.6358, 44.4292



24.8461, 18.6358, 27.4268



20.0549, 18.6358, 7.0037

Rectangle

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



12.0949, 18.6358, 14.5149



12.5234, 18.6358, 31.7358



24.8461, 18.6358, 27.4268



24.1679, 18.6358, 11.9935

Sweetspot

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



12.0954, 18.6365, 14.5153



32.1798, 38.1628, 38.5210



13.1809, 19.3818, 6.1785



7.0592, 8.5035, 8.4866



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.



12.0954, 18.6365, 14.5153



19.3611, 31.9025, 22.1972



13.6315, 18.3511, 25.3788



4.7185, 5.2456, 5.5289



9.2133, 16.4682, 9.1086



0.0356, 0.0585, 0.0509

Inverse Universe

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



12.7362, 8.1245, 9.9142



20.6000, 11.7476, 13.4270



11.8029, 8.0543, 4.0647



4.7502, 4.7198, 5.2970



9.9374, 5.0393, 4.2429



0.0380, 0.0189, 0.0334

Previews

White Background



This preview shows how the XYZ color 12.0949, 18.6358, 14.5149 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 12.0949, 18.6358, 14.5149 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 12.0949, 18.6358, 14.5149

Background



This preview shows how black text looks on a background with the XYZ color 12.0949, 18.6358, 14.5149.



This preview shows how white text looks on a background with the XYZ color 12.0949, 18.6358,

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

12.0949, 18.6358, 14.5149

Protanopia

17.2375, 18.4610, 12.5523

Deuteranopia

18.5689, 18.2282, 15.1101



Tritanopia

14.6904, 18.6884, 27.2591

Trichromacy



Original Color

12.0949, 18.6358, 14.5149

Protanomaly

14.3736, 17.8761, 13.2825

Deuteranomaly

15.0120, 17.6176, 14.9212

Tritanomaly

13.6179, 18.6485, 21.9506

Monochromacy



Original Color

12.0949, 18.6358, 14.5149

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3900, 15.3814, 14.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0949, 18.6358, 14.5149 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(51, 134, 98)` looks like.

```
.text, #text, p{  
    color:rgb(51, 134, 98)  
}
```

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(51, 134, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 134, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.0949, 18.6358, 14.5149 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(51, 134, 98) }
```


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

```
.border{ border-color:rgb(51, 134, 98) }
```

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

Here you see how a box with a 4 pixel rgb(51, 134, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 134, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 134, 98);  
box-shadow:4px 4px 4px 4px rgb(51, 134,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0949, 18.6358, 14.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 134, 98) }
```

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

```
.background{ background-color: rgb(51, 134,  
98) }
```

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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