

Converting Colors

XYZ(12.0951, 18.6710, 13.9458)

Have a look what the booklet for
XYZ(12.0951, 18.6710, 13.9458)
contains.

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Color

**XYZ(12.1046, 18.6516,
14.0285)**

Conversions

Conversions Part 1

Format	Color
Hex	358660
RGB	53, 134, 96
RGB Percent	21%, 53%, 38%
CMY	0.7922, 0.4745, 0.6235
CMYK	0.60, 0.00, 0.28, 0.47
HSL	152°, 43%, 37%
HSV	152°, 60%, 53%
XYZ	12.1046, 18.6516, 14.0285
YIQ	105.4490, -36.0780, -28.9900

Conversions

Conversions Part 2

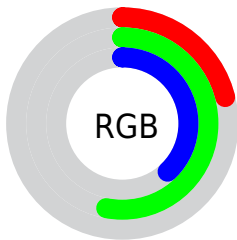
Format	Color
R_{YB}	53, 106, 134
Decimal	3507808
CIE _{Lab}	50.28, -34.12, 13.26
CIE _{LCh}	50, 36.603, 158.765
Yxy	18.6516, 0.2703, 0.4165
Android (android.graphics.Color)	4281697888 (0xFF358660)
YUV	105.4490, -4.6584, -45.9978
Hunter-Lab	43.1875, -25.5481, 10.9722

Details

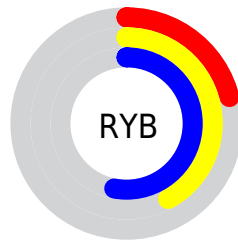
The XYZ color **12.1046, 18.6516, 14.0285** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.9935, 8.3702, 10.8289**, and the grayscale version is **13.5688, 14.2755, 15.5460**.

A 20% lighter version of the original color is **29.3131, 41.1988, 34.0110**, and **3.6690, 6.4168, 4.0628** is the 20% darker color. If you saturate the color by 10%, you get **11.2184, 18.2274, 12.5363**, and if you desaturate by 10%, it is **13.2120, 19.1882, 15.6527**.

Distribution



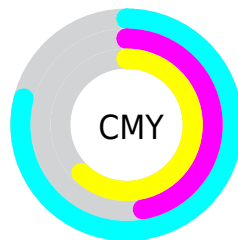
- Red (21%)
- Green (53%)
- Blue (38%)



- Red (21%)
- Yellow (42%)
- Blue (53%)



- Cyan (60%)
- Magenta (0%)
- Yellow (28%)
- Black (47%)





- Cyan (79%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1046, 18.6516, 14.0285 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 12.1046, 18.6516, 14.0285 by changing the saturation by 10% instead.


 12.1046, 18.6516,
14.0285


 12.1046, 18.6516,
14.0285


198.8523,
244.5186, 228.8427


 6.8877, 11.4188,
8.0015


 29.3007, 41.1446,
33.8574


 3.4376, 6.3493,
4.0081


 42.0105, 57.1735,
48.4965


 1.3892, 3.0586,
1.6298

 57.9487, 76.9033,
66.8433

 0.2485, 1.1624,
0.3120

 77.4806, 100.7183,
89.3164

 0.0000, 0.0307,
0.0000

 100.9716,
129.0029, 116.3343

 0.0000, 0.0000,
0.0000

 128.7869,

162.1416, 148.3157

161.2921,
200.5187, 185.6789

■ 12.1046, 18.6516,
14.0285

■ 12.1046, 18.6516,
14.0285

■ 11.2184, 18.2274,
12.5363

■ 13.2120, 19.1882,
15.6527

■ 10.5345, 17.9043,
11.1712

■ 14.5545, 19.8427,
17.4112

■ 10.0331, 17.6728,
9.9298

■ 16.1467, 20.6232,
19.3075

■ 9.6671, 17.5076,
8.8540

■ 18.0014, 21.5362,
21.3449

■ 20.1307, 22.5878,
23.5264

■ 22.5457, 23.7837,
25.8549

■ 25.2570, 25.1294,
28.3332

■ 28.2746, 26.6299,
30.9642

■ 31.6080, 28.2902,
33.7505

Harmonies

Analogous

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



13.7943, 18.6516, 8.5760



12.1046, 18.6516, 14.0285



11.8100, 18.6516, 23.4298

Triad

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



12.1046, 18.6516, 14.0285



18.7866, 18.6516, 46.3460



23.5894, 18.6516, 10.3761

Complementary

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



12.1046, 18.6516, 14.0285



12.9935, 8.3702, 10.8289

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.



25.3512, 18.6516, 17.4773



12.1046, 18.6516, 14.0285



22.3458, 18.6516, 39.6416

Square

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



12.1046, 18.6516, 14.0285



15.3725, 18.6516, 44.4703



24.8681, 18.6516, 28.2284



20.3121, 18.6516, 7.0086

Rectangle

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



12.1046, 18.6516, 14.0285



12.4003, 18.6516, 31.2216



24.8681, 18.6516, 28.2284



24.3971, 18.6516, 12.2904

Sweetspot

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



12.1051, 18.6524, 14.0289



32.4450, 38.3030, 38.3737



13.5969, 19.5911, 6.4332



7.1081, 8.5300, 8.4329



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.



12.1051, 18.6524, 14.0289



19.2224, 31.8560, 21.0598



14.1115, 19.1583, 25.5093



4.7119, 5.2430, 5.4941



9.0646, 16.4087, 8.3258



0.0351, 0.0583, 0.0483

Inverse Universe

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



12.9935, 8.3702, 10.8289



20.9435, 11.9933, 14.9022



11.8101, 7.9968, 4.2894



4.7567, 4.7224, 5.3313



10.0562, 5.0868, 4.8684



0.0385, 0.0191, 0.0360

Previews

White Background



This preview shows how the XYZ color 12.1046, 18.6516, 14.0285 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 12.1046, 18.6516, 14.0285 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 12.1046, 18.6516, 14.0285

Background



This preview shows how black text looks on a background with the XYZ color 12.1046, 18.6516, 14.0285.



This preview shows how white text looks on a background with the XYZ color 12.1046, 18.6516,

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

12.1046, 18.6516, 14.0285

Protanopia

17.1524, 18.4269, 12.1039

Deuteranopia

18.6341, 18.2731, 14.6015



Tritanopia

14.6941, 18.4957, 27.2217

Trichromacy



Original Color

12.1046, 18.6516, 14.0285

Protanomaly

14.3949, 17.8973, 12.8211

Deuteranomaly

15.0334, 17.6398, 14.4169

Tritanomaly

13.5444, 18.4195, 21.5803

Monochromacy



Original Color

12.1046, 18.6516, 14.0285

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.4814, 15.4285, 14.8905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1046, 18.6516, 14.0285 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(53, 134, 96)` looks like.

```
.text, #text, p{  
    color:rgb(53, 134, 96)  
}
```

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(53, 134, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 134, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.1046, 18.6516, 14.0285 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(53, 134, 96) }
```


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

```
.border{ border-color:rgb(53, 134, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 134, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 134, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 134, 96);  
box-shadow:4px 4px 4px 4px rgb(53, 134,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1046, 18.6516, 14.0285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 134, 96) }
```

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

```
.background{ background-color: rgb(53, 134,  
96) }
```

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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