

Converting Colors

XYZ(12.9342, 18.1767, 9.6751)

Have a look what the booklet for
XYZ(12.9342, 18.1767, 9.6751)
contains.

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Color

**XYZ(12.9011, 18.1536,
9.6615)**

Conversions

Conversions Part 1

Format	Color
Hex	55814C
RGB	85, 129, 76
RGB Percent	33%, 51%, 30%
CMY	0.6667, 0.4941, 0.7020
CMYK	0.34, 0.00, 0.41, 0.49
HSL	110°, 26%, 40%
HSV	110°, 41%, 51%
XYZ	12.9011, 18.1536, 9.6615
YIQ	109.8020, -9.2110, -25.8110

Conversions

Conversions Part 2

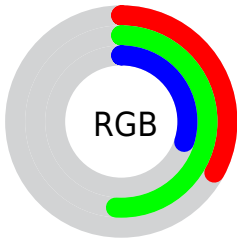
Format	Color
R_{YB}	76, 129, 120
Decimal	5603660
CIE _{Lab}	49.68, -26.15, 24.04
CIE _{LCh}	50, 35.521, 137.410
Yxy	18.1536, 0.3169, 0.4459
Android (android.graphics.Color)	4283793740 (0xFF55814C)
YUV	109.8020, -16.6644, -21.7514
Hunter-Lab	42.6070, -20.5138, 16.3804

Details

The XYZ color **12.9011, 18.1536, 9.6615** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2933, 10.7474, 22.0909**, and the grayscale version is **14.8128, 15.5842, 16.9712**.

A 20% lighter version of the original color is **30.6472, 40.1965, 25.8821**, and **3.7579, 6.0608, 2.2001** is the 20% darker color. If you saturate the color by 10%, you get **11.5971, 17.5287, 7.4896**, and if you desaturate by 10%, it is **14.4431, 18.8920, 12.3148**.

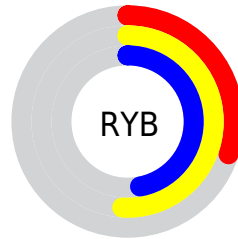
Distribution



Red (33%)

Green (51%)

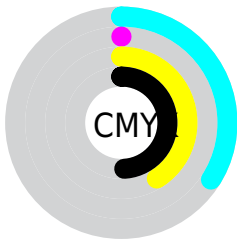
Blue (30%)



Red (30%)

Yellow (51%)

Blue (47%)

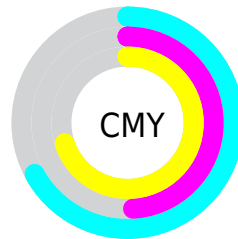


Cyan (34%)

Magenta (0%)

Yellow (41%)

Black (49%)



Cyan (67%)

Magenta (49%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9011, 18.1536, 9.6615 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 12.9011, 18.1536, 9.6615 by changing the saturation by 10% instead.

■ 12.9011, 18.1536,
9.6615

■ 12.9011, 18.1536,
9.6615

203.9333,
241.7354, 198.6350

■ 7.4370, 11.0603,
5.0724

■ 30.7288, 40.2989,
25.7546

■ 3.7856, 6.1074,
2.2303

■ 43.8232, 56.1197,
38.0958

■ 1.5816, 2.9105,
0.6918

■ 60.1916, 75.6184,
53.8580

■ 0.3804, 1.0852,
0.0000

■ 80.1996, 99.1795,
73.4600

■ 0.0000, 0.0000,
0.0000

■ 104.2124,
127.1874, 97.3201

132.5953,

160.0264, 125.8569

165.7139,
198.0809, 159.4891

■ 12.9011, 18.1536,
9.6615

■ 12.9011, 18.1536,
9.6615

■ 11.5971, 17.5287,
7.4896

■ 14.4431, 18.8920,
12.3148

■ 10.5179, 17.0092,
5.7691

■ 16.2330, 19.7466,
15.4748

■ 9.6507, 16.5901,
4.4687


■ 18.2817, 20.7231,
19.1664


■ 8.9811, 16.2645,
3.5522


■ 20.5988, 21.8261,
23.4123


■ 8.4927, 16.0249,
2.9775


■ 23.1939, 23.0598,
28.2343

 8.1794, 15.8707,
2.6323

 26.0756, 24.4285,
33.6527

 29.2526, 25.9360,
39.6868

 32.7328, 27.5861,
46.3553

 36.5241, 29.3825,
53.6759

Harmonies

Analogous

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



15.3833, 18.1536, 6.8002



12.9011, 18.1536, 9.6615



11.6605, 18.1536, 15.9826

Triad

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



12.9011, 18.1536, 9.6615



15.8771, 18.1536, 44.0432



24.2231, 18.1536, 14.7070

Complementary

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



12.9011, 18.1536, 9.6615



14.2933, 10.7474, 22.0909

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.



24.4007, 18.1536, 24.1042



12.9011, 18.1536, 9.6615



19.2715, 18.1536, 43.3562

Square

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



12.9011, 18.1536, 9.6615



13.2218, 18.1536, 36.8654



22.4911, 18.1536, 35.2150



22.0335, 18.1536, 8.9914

Rectangle

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



12.9011, 18.1536, 9.6615



11.5821, 18.1536, 22.2632



22.4911, 18.1536, 35.2150



24.5294, 18.1536, 17.4632

Sweetspot

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



12.9016, 18.1544, 9.6619



32.2733, 36.8880, 33.4793



16.9891, 18.4509, 9.5037



7.2163, 8.3072, 7.4173



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9016, 18.1544, 9.6619



20.9684, 31.4853, 13.7410



12.7975, 18.0243, 13.1106



4.3389, 4.8511, 4.6278



7.9773, 15.4748, 2.5665



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2933, 10.7474, 22.0909



23.7934, 16.3665, 39.0975



14.5750, 11.0112, 16.7504



4.4288, 4.3766, 5.4246



9.7896, 4.6004, 20.6219



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9011, 18.1536, 9.6615 looks on a white background.

Color Contrast Check

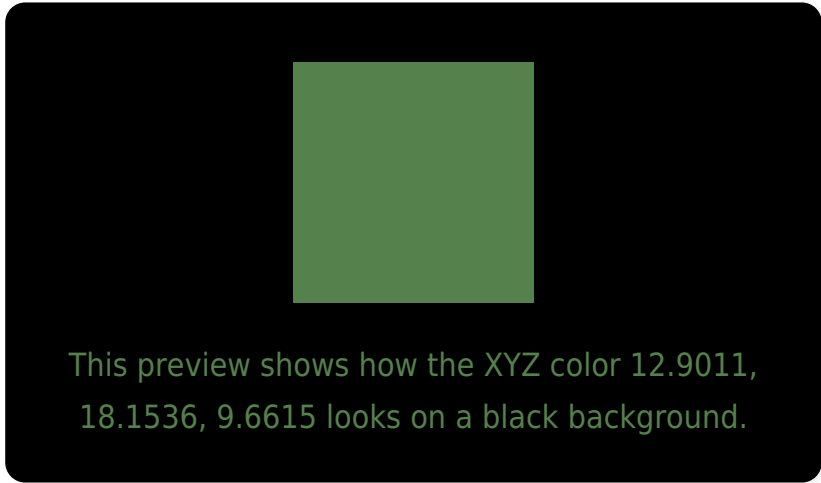
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.9011, 18.1536, 9.6615

Background



This preview shows how black text looks on a background with the XYZ color 12.9011, 18.1536, 9.6615.



This preview shows how white text looks on a background with the XYZ color 12.9011, 18.1536,

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

12.9011, 18.1536, 9.6615

Protanopia

16.7014, 18.0919, 8.7427

Deuteranopia

18.3376, 18.0522, 10.1073



Tritanopia

15.8437, 18.0179, 24.4725

Trichromacy



Original Color

12.9011, 18.1536, 9.6615

Protanomaly

14.9722, 17.9108, 8.9713

Deuteranomaly

15.8933, 17.8231, 9.9997

Tritanomaly

14.5726, 18.0612, 18.0473

Monochromacy



Original Color

12.9011, 18.1536, 9.6615

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9327, 16.3711, 13.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9011, 18.1536, 9.6615 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(85, 129, 76)` looks like.

```
.text, #text, p{  
    color:rgb(85, 129, 76)  
}
```

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(85, 129, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 129, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.9011, 18.1536, 9.6615 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(85, 129, 76) }
```


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

```
.border{ border-color:rgb(85, 129, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 129, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 129, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 129, 76);  
box-shadow:4px 4px 4px 4px rgb(85, 129,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9011, 18.1536, 9.6615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 129, 76) }
```

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

```
.background{ background-color: rgb(85, 129,  
76) }
```

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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