

Converting Colors

XYZ(11.8534, 18.2036, 15.4593)

Have a look what the booklet for
XYZ(11.8534, 18.2036, 15.4593)
contains.

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Color

**XYZ(11.9125, 18.3152,
15.4777)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8566
RGB	46, 133, 102
RGB Percent	18%, 52%, 40%
CMY	0.8196, 0.4784, 0.6000
CMYK	0.65, 0.00, 0.23, 0.48
HSL	159°, 49%, 35%
HSV	159°, 65%, 52%
XYZ	11.9125, 18.3152, 15.4777
YIQ	103.4530, -41.9010, -28.0850

Conversions

Conversions Part 2

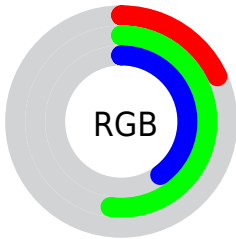
Format	Color
RYB	46, 99, 133
Decimal	3048806
CIELab	49.88, -33.73, 9.20
CIElCh	50, 34.960, 164.741
Yxy	18.3152, 0.2606, 0.4007
Android (android.graphics.Color)	4281238886 (0xFF2E8566)
YUV	103.4530, -0.7163, -50.3863
Hunter-Lab	42.7963, -25.2073, 8.5146

Details

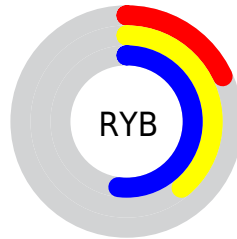
The XYZ color **11.9125, 18.3152, 15.4777** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9900, 7.4768, 7.8330**, and the grayscale version is **13.0225, 13.7006, 14.9200**.

A 20% lighter version of the original color is **28.9996, 40.6653, 36.4577**, and **3.7828, 6.4623, 4.6624** is the 20% darker color. If you saturate the color by 10%, you get **11.1755, 17.9621, 14.2514**, and if you desaturate by 10%, it is **12.8497, 18.7709, 16.7843**.

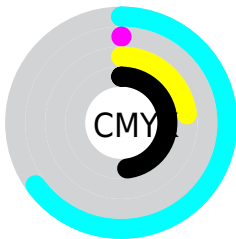
Distribution



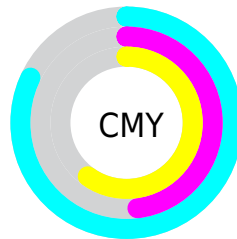
- Red (18%)
- Green (52%)
- Blue (40%)



- Red (18%)
- Yellow (39%)
- Blue (52%)



- Cyan (65%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9125, 18.3152, 15.4777 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 11.9125, 18.3152, 15.4777 by changing the saturation by 10% instead.

■ 11.9125, 18.3152,
15.4777

■ 11.9125, 18.3152,
15.4777

197.6069,
242.6417, 237.9792

■ 6.7559, 11.1765,
9.0050

■ 28.9539, 40.5737,
36.4431

■ 3.3549, 6.1857,
4.6476

■ 41.5694, 56.4623,
51.7730

■ 1.3441, 2.9583,
1.9869

■ 57.4019, 76.0363,
70.8922

■ 0.2159, 1.1100,
0.5472

■ 76.8167, 99.6802,
94.2195

■ 0.0000, 0.0000,
0.0000

■ 100.1793,
127.7782, 122.1733

■ 127.8550,

160.7149, 155.1721

160.2091,
198.8746, 193.6346

■ 11.9125, 18.3152,
15.4777

■ 11.9125, 18.3152,
15.4777

■ 11.1755, 17.9621,
14.2514

■ 12.8497, 18.7709,
16.7843

■ 10.6190, 17.7001,
13.1022

■ 14.0012, 19.3350,
18.1719

■ 10.2167, 17.5161,
12.0280

■ 15.3818, 20.0156,
19.6426

■ 10.0518, 17.4413,
11.5584

■ 17.0043, 20.8193,
21.1981

■ 18.8806, 21.7521,
22.8401

■ 21.0218, 22.8199,
24.5700

■ 23.4383, 24.0279,
26.3894

■ 26.1400, 25.3811,
28.2998

■ 29.1361, 26.8845,
30.3025

Harmonies

Analogous

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



13.2630, 18.3152, 9.5135



11.9125, 18.3152, 15.4777



11.9008, 18.3152, 25.0043

Triad

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



11.9125, 18.3152, 15.4777



19.0959, 18.3152, 43.5778



22.3862, 18.3152, 9.5856

Complementary

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



11.9125, 18.3152, 15.4777



11.9900, 7.4768, 7.8330

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.



24.3961, 18.3152, 15.6139



11.9125, 18.3152, 15.4777



22.3376, 18.3152, 36.0901

Square

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



11.9125, 18.3152, 15.4777



15.7701, 18.3152, 43.5053



24.3772, 18.3152, 25.1918



19.1557, 18.3152, 6.9299

Rectangle

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



11.9125, 18.3152, 15.4777



12.6409, 18.3152, 32.3844



24.3772, 18.3152, 25.1918



23.2443, 18.3152, 11.1813

Sweetspot

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



11.9130, 18.3159, 15.4781



32.0579, 38.0804, 39.3984



12.0149, 18.5886, 5.5397



7.0451, 8.4911, 8.7193



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.



11.9130, 18.3159, 15.4781



19.5400, 31.9416, 24.6062



12.2470, 16.0472, 24.6431



4.7330, 5.2514, 5.6053



9.5781, 16.6141, 11.0298



0.0367, 0.0590, 0.0566

Inverse Universe

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



11.9900, 7.4768, 7.8330



19.7136, 11.0030, 9.9615



11.6595, 8.1702, 3.5475



4.7361, 4.7141, 5.2224



9.7135, 4.9497, 3.0636



0.0369, 0.0184, 0.0277

Previews

White Background



This preview shows how the XYZ color 11.9125, 18.3152, 15.4777 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 11.9125, 18.3152, 15.4777 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 11.9125, 18.3152, 15.4777

Background



This preview shows how black text looks on a background with the XYZ color 11.9125, 18.3152, 15.4777.

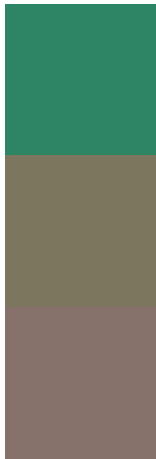


This preview shows how white text looks on a background with the XYZ color 11.9125, 18.3152,

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

11.9125, 18.3152, 15.4777

Protanopia

17.0014, 18.1431, 13.4324

Deuteranopia

18.4503, 18.1436, 16.1653



Tritanopia

14.2429, 18.2631, 27.2005

Trichromacy



Original Color

11.9125, 18.3152, 15.4777

Protanomaly

14.1114, 17.5346, 14.1960

Deuteranomaly

14.8667, 17.5194, 15.9626

Tritanomaly

13.3241, 18.2838, 22.5655

Monochromacy



Original Color

11.9125, 18.3152, 15.4777

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9452, 14.8077, 15.0606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9125, 18.3152, 15.4777 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(46, 133, 102)` looks like.

```
.text, #text, p{  
    color:rgb(46, 133, 102)  
}
```

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(46, 133, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 133, 102) }
```

Border

The CSS property to change the border of an element to XYZ 11.9125, 18.3152, 15.4777 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(46, 133, 102) }
```


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

```
.border{ border-color:rgb(46, 133, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 133, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 133, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 133, 102);  
box-shadow:4px 4px 4px 4px rgb(46, 133,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9125, 18.3152, 15.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 133, 102) }
```

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

```
.background{ background-color: rgb(46, 133,  
102) }
```

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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