

Converting Colors

XYZ(18.2879, 35.2695, 8.9253)

Have a look what the booklet for
XYZ(18.2879, 35.2695, 8.9253)
contains.

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Color

**XYZ(18.4059, 35.4854,
9.0113)**

Conversions

Conversions Part 1

Format	Color
Hex	12BA33
RGB	18, 186, 51
RGB Percent	7%, 73%, 20%
CMY	0.9294, 0.2706, 0.8000
CMYK	0.90, 0.00, 0.73, 0.27
HSL	132°, 82%, 40%
HSV	132°, 90%, 73%
XYZ	18.4059, 35.4854, 9.0113
YIQ	120.3780, -56.7930, -77.6010

Conversions

Conversions Part 2

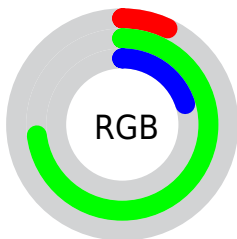
Format	Color
RYB	18, 158, 186
Decimal	1227315
CIELab	66.12, -64.71, 54.44
CIELCh	66, 84.564, 139.929
Yxy	35.4854, 0.2926, 0.5641
Android (android.graphics.Color)	4279417395 (0xFF12BA33)
YUV	120.3780, -34.2034, -89.7855
Hunter-Lab	59.5696, -49.0937, 32.7297

Details

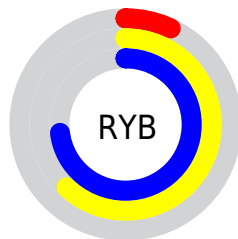
The XYZ color **18.4059, 35.4854, 9.0113** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.2166, 13.1721, 31.2976**, and the grayscale version is **18.0941, 19.0364, 20.7306**.

A 20% lighter version of the original color is **40.0799, 67.9459, 24.3670**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.8863, 35.2499, 7.5738**, and if you desaturate by 10%, it is **19.2903, 35.8980, 11.0591**.

Distribution



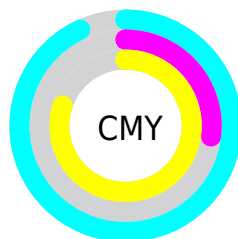
- Red (7%)
- Green (73%)
- Blue (20%)



- Red (7%)
- Yellow (62%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (73%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4059, 35.4854, 9.0113 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 18.4059, 35.4854, 9.0113 by changing the saturation by 10% instead.


 18.4059, 35.4854,
9.0113


 18.4059, 35.4854,
9.0113


236.1506,
326.7057, 193.6833


 11.3432, 24.0370,
4.6516


 40.2524, 68.2371,
24.4965


 6.3672, 15.3611,
1.9892


 55.7670, 90.3091,
36.4591

 3.1124, 9.0732,
0.5486


 74.8297, 116.6912,
51.7932

 1.2135, 4.7890,
0.0000

 97.8057, 147.7677,
70.9172

 0.1170, 2.1240,
0.0000

 125.0604,
183.9230, 94.2496

 0.0000, 0.6781,
0.0000

 156.9593,

 0.0000, 0.0000,

225.5415, 122.2091

0.0000

193.8676,
273.0076, 155.2142

■ 18.4059, 35.4854,
9.0113

■ 18.4059, 35.4854,
9.0113

■ 17.8863, 35.2499,
7.5738

■ 19.2903, 35.8980,
11.0591

■ 20.6276, 36.5297,
13.7283

■ 22.4726, 37.4089,
17.0650

■ 24.8713, 38.5584,
21.1102

■ 27.8645, 39.9985,
25.9017

■ 31.4890, 41.7474,
31.4744

■ 35.7787, 43.8219,
37.8611

■ 40.7650, 46.2375,
45.0927

■ 46.4772, 49.0088,
53.1986

Harmonies

Analogous

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



26.1414, 35.4854, 3.2586



18.4059, 35.4854, 9.0113



15.0874, 35.4854, 27.7524

Triad

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



18.4059, 35.4854, 9.0113



29.6751, 35.4854, 154.7321



61.9376, 35.4854, 19.5190

Complementary

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



18.4059, 35.4854, 9.0113



26.2166, 13.1721, 31.2976

Split Complementary

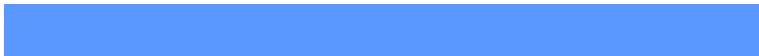
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.5638, 35.4854, 52.0513



18.4059, 35.4854, 9.0113



42.6560, 35.4854, 147.0968

Square

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



18.4059, 35.4854, 9.0113



20.4378, 35.4854, 119.5119



55.8127, 35.4854, 102.5291



51.8036, 35.4854, 6.1851

Rectangle

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



18.4059, 35.4854, 9.0113



15.0814, 35.4854, 51.8454



55.8127, 35.4854, 102.5291



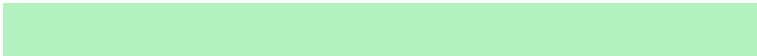
63.5797, 35.4854, 27.8881

Sweetspot

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



18.4067, 35.4869, 9.0121



59.1828, 76.6860, 60.2213



31.2254, 42.1515, 7.0627



12.4817, 16.6211, 12.4313



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.4067, 35.4869, 9.0121



32.3517, 63.8632, 13.3738



22.0291, 36.9358, 28.0872



8.9606, 10.0882, 9.9497



12.0546, 23.7228, 5.2096



0.4466, 0.8450, 0.2978

Inverse Universe

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



26.2166, 13.1721, 31.2976



46.5158, 22.8463, 53.3869



21.6107, 11.3297, 7.0432



9.3033, 9.1317, 10.9444



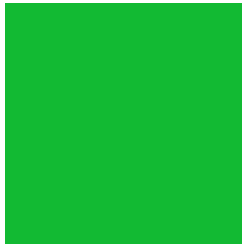
17.3246, 8.5036, 20.1278



0.6303, 0.3076, 0.8128

Previews

White Background



This preview shows how the XYZ color 18.4059, 35.4854, 9.0113 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.4059, 35.4854, 9.0113 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4059, 35.4854, 9.0113

Background



This preview shows how black text looks on a background with the XYZ color 18.4059, 35.4854, 9.0113.



This preview shows how white text looks on a background with the XYZ color 18.4059, 35.4854,

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

18.4059, 35.4854, 9.0113

Protanopia

31.6158, 34.9072, 7.4543

Deuteranopia

35.4424, 34.8324, 9.7058



Tritanopia

27.3550, 35.5226, 52.9917

Trichromacy



Original Color

18.4059, 35.4854, 9.0113



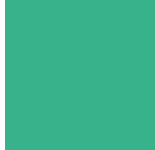
Protanomaly

22.4468, 32.5742, 7.7937



Deuteranomaly

23.7377, 31.8532, 9.0349



Tritanomaly

22.1387, 34.5165, 29.5403

Monochromacy



Original Color

18.4059, 35.4854, 9.0113



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.6061, 22.6117, 14.3684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4059, 35.4854, 9.0113 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(18, 186, 51)` looks like.

```
.text, #text, p{  
    color:rgb(18, 186, 51)  
}
```

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(18, 186, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 51) }
```

Border

The CSS property to change the border of an element to XYZ 18.4059, 35.4854, 9.0113 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(18, 186, 51) }
```


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

```
.border{ border-color:rgb(18, 186, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 186, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 186, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 186, 51);  
box-shadow:4px 4px 4px 4px rgb(18, 186,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4059, 35.4854, 9.0113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 51) }
```

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

```
.background{ background-color: rgb(18, 186,  
51) }
```

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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