

Converting Colors

XYZ(13.2054, 33.0399, 9.4993)

Have a look what the booklet for
XYZ(13.2054, 33.0399, 9.4993)
contains.

XYZ(18.5088, 35.8361, 9.8124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.5088, 35.8361,
9.8124)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB39
RGB	0, 187, 57
RGB Percent	0%, 73%, 22%
CMY	1.0000, 0.2667, 0.7765
CMYK	1.00, 0.00, 0.70, 0.27
HSL	138°, 100%, 37%
HSV	138°, 100%, 73%
XYZ	18.5088, 35.8361, 9.8124
YIQ	116.2670, -69.7220, -80.0740

Conversions

Conversions Part 2

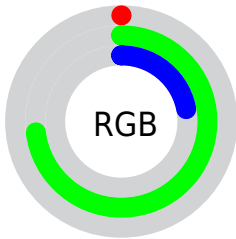
Format	Color
RYB	0, 143, 187
Decimal	47929
CIELab	66.39, -65.34, 52.39
CIElCh	66, 83.748, 141.275
Yxy	35.8361, 0.2885, 0.5586
Android (android.graphics.Color)	4278238009 (0xFF00BB39)
YUV	116.2670, -29.2186, -101.9662
Hunter-Lab	59.8633, -49.5713, 32.1858

Details

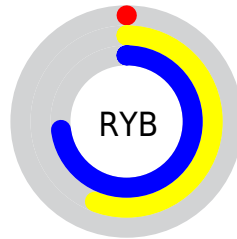
The XYZ color **18.5088, 35.8361, 9.8124** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.5236, 12.1769, 22.1767**, and the grayscale version is **16.7855, 17.6596, 19.2313**.

A 20% lighter version of the original color is **40.5587, 69.0492, 26.2291**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **18.5097, 35.8376, 9.8132**, and if you desaturate by 10%, it is **19.1394, 36.1198, 11.7581**.

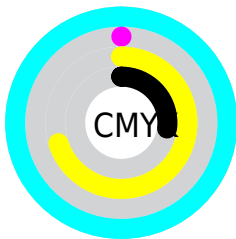
Distribution



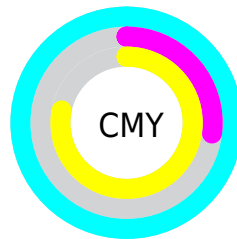
- Red (0%)
- Green (73%)
- Blue (22%)



- Red (0%)
- Yellow (56%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5088, 35.8361, 9.8124 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 18.5088, 35.8361, 9.8124 by changing the saturation by 10% instead.


 18.5088, 35.8361,
9.8124


 18.5088, 35.8361,
9.8124


236.7140,
328.2436, 199.7638


 11.4178, 24.3076,
5.1708


 40.4257, 68.7790,
26.0443


 6.4179, 15.5620,
2.2873


 55.9824, 90.9623,
38.4717


 3.1439, 9.2147,
0.7241


 75.0916, 117.4659,
54.3314

 1.2303, 4.8815,
0.0000

 98.1188, 148.6743,
74.0420

 0.1301, 2.1779,
0.0000

 125.4292,
184.9719, 98.0219

 0.0000, 0.7079,
0.0000

 157.3884,

 0.0000, 0.0000,

226.7430, 126.6899

0.0000

194.3615,
274.3721, 160.4643

■ 18.5088, 35.8361,
9.8124

■ 18.5088, 35.8361,
9.8124

■ 18.5097, 35.8376,
9.8132

■ 19.1394, 36.1198,
11.7581

■ 20.1100, 36.5675,
14.1827

■ 21.5191, 37.2304,
17.1193

■ 23.4177, 38.1342,
20.5955

■ 25.8493, 39.3008,
24.6370

■ 28.8524, 40.7495,
29.2678

■ 32.4616, 42.4979,
34.5105

■ 36.7091, 44.5619,
40.3864

■ 41.6245, 46.9564,
46.9159

Harmonies

Analogous

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



26.0449, 35.8361, 3.5710



18.5088, 35.8361, 9.8124



15.3640, 35.8361, 29.4591

Triad

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



18.5088, 35.8361, 9.8124



30.5350, 35.8361, 154.6973



61.8106, 35.8361, 18.9543

Complementary

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



18.5088, 35.8361, 9.8124



24.5236, 12.1769, 22.1767

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.



63.8610, 35.8361, 50.4522



18.5088, 35.8361, 9.8124



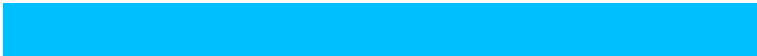
43.5735, 35.8361, 145.1221

Square

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



18.5088, 35.8361, 9.8124



21.1013, 35.8361, 121.4147



56.5302, 35.8361, 100.0700



51.4685, 35.8361, 6.1468

Rectangle

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



18.5088, 35.8361, 9.8124



15.4738, 35.8361, 54.1264



56.5302, 35.8361, 100.0700



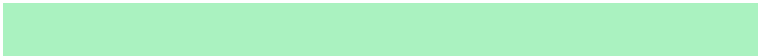
63.5784, 35.8361, 27.0226

Sweetspot

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



18.5097, 35.8376, 9.8132



57.7968, 75.9457, 61.3243



27.1160, 40.3597, 6.3610



12.0999, 16.4201, 12.6038



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.



18.5097, 35.8376, 9.8132



33.0574, 64.1455, 17.0902



23.2442, 37.7314, 34.7446



9.5253, 10.6962, 10.7497



12.7814, 24.7029, 6.9118



0.5307, 0.9796, 0.4290

Inverse Universe

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



24.5236, 12.1769, 22.1767



43.8095, 21.7638, 39.1358



20.8346, 10.7013, 2.7509



9.8027, 9.6454, 11.3501



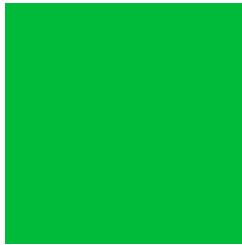
16.9296, 8.4030, 15.4548



0.6910, 0.3403, 0.7520

Previews

White Background



This preview shows how the XYZ color 18.5088, 35.8361, 9.8124 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 18.5088, 35.8361, 9.8124 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 18.5088, 35.8361, 9.8124

Background



This preview shows how black text looks on a background with the XYZ color 18.5088, 35.8361, 9.8124.



This preview shows how white text looks on a background with the XYZ color 18.5088, 35.8361,

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

18.5088, 35.8361, 9.8124

Protanopia

31.9110, 35.3037, 8.1500

Deuteranopia

35.8556, 35.0283, 10.5016



Tritanopia

27.4958, 35.8706, 53.6186

Trichromacy



Original Color

18.5088, 35.8361, 9.8124



Protanomaly

21.9568, 32.5839, 8.5002



Deuteranomaly

23.1617, 31.8039, 9.9191



Tritanomaly

22.1467, 34.7917, 30.7475

Monochromacy



Original Color

18.5088, 35.8361, 9.8124



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.5626, 21.6281, 14.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5088, 35.8361, 9.8124 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(0, 187, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 57)  
}
```

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(0, 187, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 57) }
```

Border

The CSS property to change the border of an element to XYZ 18.5088, 35.8361, 9.8124 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(0, 187, 57) }
```


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

```
.border{ border-color:rgb(0, 187, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5088, 35.8361, 9.8124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 57) }
```

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

```
.background{ background-color: rgb(0, 187,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor