

Converting Colors

XYZ(18.9521, 35.7257, 13.0336)

Have a look what the booklet for
XYZ(18.9521, 35.7257, 13.0336)
contains.

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Color

**XYZ(18.9341, 35.6679,
13.0944)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA4E
RGB	0, 186, 78
RGB Percent	0%, 73%, 31%
CMY	1.0000, 0.2706, 0.6941
CMYK	1.00, 0.00, 0.58, 0.27
HSL	145°, 100%, 36%
HSV	145°, 100%, 73%
XYZ	18.9341, 35.6679, 13.0944
YIQ	118.0740, -76.1880, -73.0200

Conversions

Conversions Part 2

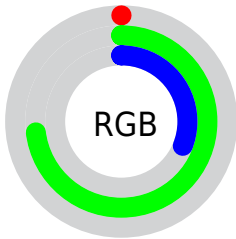
Format	Color
RYB	0, 131, 186
Decimal	47694
CIELab	66.27, -62.58, 43.12
CIELCh	66, 75.993, 145.432
Yxy	35.6679, 0.2797, 0.5269
Android (android.graphics.Color)	4278237774 (0xFF00BA4E)
YUV	118.0740, -19.7565, -103.5509
Hunter-Lab	59.7226, -47.9240, 28.8063

Details

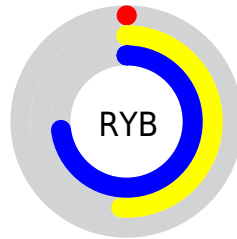
The XYZ color **18.9341, 35.6679, 13.0944** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.9579, 11.5226, 15.2041**, and the grayscale version is **17.3216, 18.2237, 19.8456**.

A 20% lighter version of the original color is **41.0096, 68.2543, 32.1321**, and **8.3028, 16.3072, 3.6873** is the 20% darker color. If you saturate the color by 10%, you get **18.9347, 35.6692, 13.0942**, and if you desaturate by 10%, it is **19.6155, 35.9717, 15.3174**.

Distribution



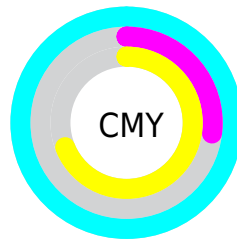
- Red (0%)
- Green (73%)
- Blue (31%)



- Red (0%)
- Yellow (51%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9341, 35.6679, 13.0944 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 18.9341, 35.6679, 13.0944 by changing the saturation by 10% instead.

■ 18.9341, 35.6679,
13.0944

■ 18.9341, 35.6679,
13.0944

239.0298,
327.5067, 222.7508

■ 11.7264, 24.1778,
7.3621

■ 41.1404, 68.5192,
32.1669

■ 6.6285, 15.4656,
3.6077

■ 56.8698, 90.6491,
46.3443

■ 3.2751, 9.1468,
1.4127

■ 76.1704, 117.0945,
64.1737

■ 1.3009, 4.8371,
0.1516

■ 99.4076, 148.2398,
86.0737

■ 0.1839, 2.1520,
0.0000

■ 126.9468,
184.4692, 112.4629

■ 0.0000, 0.6936,
0.0000

■ 159.1534,

■ 0.0000, 0.0000,

226.1672, 143.7598

0.0000

196.3926,
273.7182, 180.3829

■ 18.9341, 35.6679,
13.0944

■ 18.9341, 35.6679,
13.0944

■ 18.9347, 35.6692,
13.0942

■ 19.6155, 35.9717,
15.3174

■ 20.6112, 36.4289,
17.9016

■ 22.0165, 37.0891,
20.8662

■ 23.8792, 37.9769,
24.2270

■ 26.2402, 39.1130,
27.9985

■ 29.1356, 40.5158,
32.1945

■ 32.5980, 42.2018,
36.8282

■ 36.6574, 44.1862,
41.9120

■ 41.3415, 46.4830,
47.4579

Harmonies

Analogous

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



25.3760, 35.6679, 5.3401



18.9341, 35.6679, 13.0944



16.4853, 35.6679, 34.0743

Triad

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



18.9341, 35.6679, 13.0944



32.1950, 35.6679, 140.2099



57.6408, 35.6679, 17.7240

Complementary

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



18.9341, 35.6679, 13.0944



22.9579, 11.5226, 15.2041

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.



60.6004, 35.6679, 44.0225



18.9341, 35.6679, 13.0944



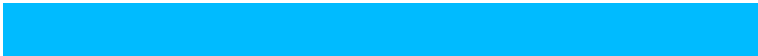
44.1495, 35.6679, 126.8861

Square

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



18.9341, 35.6679, 13.0944



22.9773, 35.6679, 116.2523



55.2033, 35.6679, 86.1112



47.8327, 35.6679, 6.7769

Rectangle

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



18.9341, 35.6679, 13.0944



16.9324, 35.6679, 57.9278



55.2033, 35.6679, 86.1112



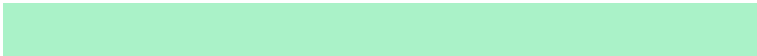
59.5510, 35.6679, 24.4812

Sweetspot

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



18.9350, 35.6694, 13.0952



58.7436, 76.3244, 66.3103



23.8057, 38.3392, 6.1458



12.3272, 16.5110, 13.8010



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.



18.9350, 35.6694, 13.0952



34.2043, 64.6043, 23.1296



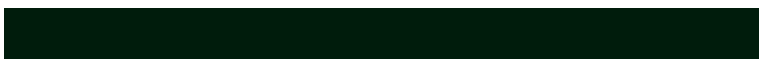
24.8632, 38.0406, 44.3127



9.0424, 10.1209, 10.3806



12.7738, 24.0105, 8.9969



0.4814, 0.8588, 0.4807

Inverse Universe

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



22.9579, 11.5226, 15.2041



41.4867, 20.8347, 26.9041



20.3405, 10.4757, 1.4211



9.2173, 9.0973, 10.4919



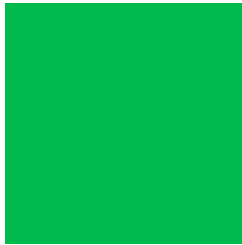
15.4826, 7.7668, 10.4281



0.5759, 0.2859, 0.5264

Previews

White Background



This preview shows how the XYZ color 18.9341, 35.6679, 13.0944 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 18.9341, 35.6679, 13.0944 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 18.9341, 35.6679, 13.0944

Background



This preview shows how black text looks on a background with the XYZ color 18.9341, 35.6679, 13.0944.



This preview shows how white text looks on a background with the XYZ color 18.9341, 35.6679,

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

18.9341, 35.6679, 13.0944

Protanopia

32.0364, 35.0488, 10.8709

Deuteranopia

35.4542, 34.7467, 13.8550



Tritanopia

27.2629, 35.7505, 53.6077

Trichromacy



Original Color

18.9341, 35.6679, 13.0944



Protanomaly

22.2006, 32.3677, 11.3808



Deuteranomaly

23.1879, 31.4761, 13.2409



Tritanomaly

22.6716, 34.9910, 33.9928

Monochromacy



Original Color

18.9341, 35.6679, 13.0944



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.1723, 22.1200, 16.3019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9341, 35.6679, 13.0944 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, 186, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 78)  
}
```

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, 186, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 78) }
```

Border

The CSS property to change the border of an element to XYZ 18.9341, 35.6679, 13.0944 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, 186, 78) }
```


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

```
.border{ border-color:rgb(0, 186, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9341, 35.6679, 13.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 78) }
```

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

```
.background{ background-color: rgb(0, 186,  
78) }
```

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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