

Converting Colors

XYZ(13.4654, 33.3789, 8.2128)

Have a look what the booklet for
XYZ(13.4654, 33.3789, 8.2128)
contains.

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Color

**XYZ(18.2440, 35.7301,
8.4177)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB2D
RGB	0, 187, 45
RGB Percent	0%, 73%, 18%
CMY	1.0000, 0.2667, 0.8235
CMYK	1.00, 0.00, 0.76, 0.27
HSL	134°, 100%, 37%
HSV	134°, 100%, 73%
XYZ	18.2440, 35.7301, 8.4177
YIQ	114.8990, -65.8700, -83.8060

Conversions

Conversions Part 2

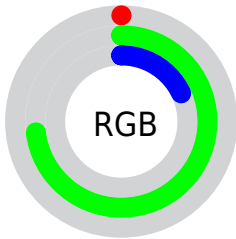
Format	Color
RYB	0, 151, 187
Decimal	47917
CIELab	66.31, -66.37, 56.72
CIELCh	66, 87.308, 139.485
Yxy	35.7301, 0.2924, 0.5727
Android (android.graphics.Color)	4278237997 (0xFF00BB2D)
YUV	114.8990, -34.4602, -100.7664
Hunter-Lab	59.7747, -50.1251, 33.4928

Details

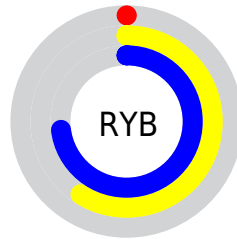
The XYZ color **18.2440, 35.7301, 8.4177** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.3770, 12.5183, 26.6706**, and the grayscale version is **16.3817, 17.2348, 18.7687**.

A 20% lighter version of the original color is **40.1470, 68.8970, 23.4944**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **18.2447, 35.7315, 8.4182**, and if you desaturate by 10%, it is **18.8286, 35.9954, 10.1212**.

Distribution



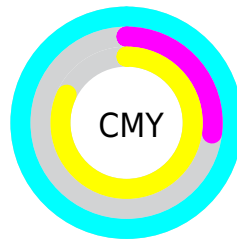
- Red (0%)
- Green (73%)
- Blue (18%)



- Red (0%)
- Yellow (59%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2440, 35.7301, 8.4177 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 18.2440, 35.7301, 8.4177 by changing the saturation by 10% instead.


 18.2440, 35.7301,
8.4177


 18.2440, 35.7301,
8.4177


235.2618,
327.7793, 189.0278


 11.2261, 24.2258,
4.2718


 39.9795, 68.6153,
23.3329


 6.2875, 15.5012,
1.7756


 55.4277, 90.7650,
34.9392

 3.0630, 9.1719,
0.4118


 74.4168, 117.2319,
49.8694

 1.1872, 4.8535,
0.0000

 97.3121, 148.4005,
68.5421

 0.0962, 2.1615,
0.0000

 124.4788,
184.6552, 91.3757

 0.0000, 0.6989,
0.0000

 156.2825,

 0.0000, 0.0000,

226.3802, 118.7888

0.0000

193.0884,
273.9602, 151.2000

■ 18.2440, 35.7301,
8.4177

■ 18.2440, 35.7301,
8.4177

■ 18.2447, 35.7315,
8.4182

■ 18.8286, 35.9954,
10.1212

■ 19.7647, 36.4293,
12.3640

■ 21.1530, 37.0839,
15.1902

■ 23.0462, 37.9855,
18.6373

■ 25.4894, 39.1568,
22.7395

■ 28.5225, 40.6176,
27.5285

■ 32.1818, 42.3859,
33.0338

■ 36.5004, 44.4784,
39.2835

■ 41.5091, 46.9103,
46.3039

Harmonies

Analogous

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



26.2654, 35.7301, 2.8831



18.2440, 35.7301, 8.4177



14.7936, 35.7301, 27.2172

Triad

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



18.2440, 35.7301, 8.4177



29.5877, 35.7301, 160.8082



63.5020, 35.7301, 19.5325

Complementary

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



18.2440, 35.7301, 8.4177



25.3770, 12.5183, 26.6706

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.



65.0549, 35.7301, 53.5328



18.2440, 35.7301, 8.4177



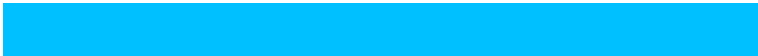
43.0283, 35.7301, 153.4378

Square

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



18.2440, 35.7301, 8.4177



20.1383, 35.7301, 122.9987



56.8080, 35.7301, 106.6741



52.9898, 35.7301, 5.8678

Rectangle

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



18.2440, 35.7301, 8.4177



14.7487, 35.7301, 51.9763



56.8080, 35.7301, 106.6741



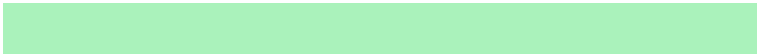
65.1756, 35.7301, 28.2308

Sweetspot

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



18.2448, 35.7316, 8.4185



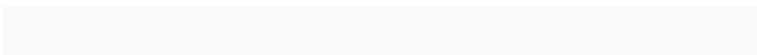
57.2890, 75.7426, 58.6502



29.1629, 41.4148, 6.4569



11.9789, 16.3717, 11.9667



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.



18.2448, 35.7316, 8.4185



32.5979, 63.9617, 14.6706



22.2963, 37.3521, 29.7530



9.5004, 10.6863, 10.6186



12.5945, 24.6281, 5.9276



0.5199, 0.9753, 0.3723

Inverse Universe

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



25.3770, 12.5183, 26.6706



45.3505, 22.3802, 47.2506



21.0673, 10.7945, 3.9762



9.8291, 9.6559, 11.4892



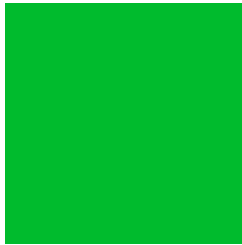
17.5136, 8.6366, 18.5301



0.7101, 0.3479, 0.8528

Previews

White Background



This preview shows how the XYZ color 18.2440, 35.7301, 8.4177 looks on a white background.

Color Contrast Check

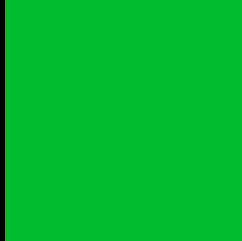
Large Text (above 18pt) WCAG AA × Fail

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 18.2440, 35.7301, 8.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

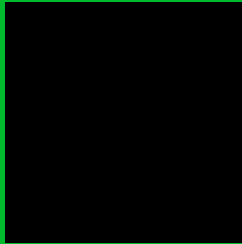
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.2440, 35.7301, 8.4177

Background



This preview shows how black text looks on a background with the XYZ color 18.2440, 35.7301, 8.4177.



This preview shows how white text looks on a background with the XYZ color 18.2440, 35.7301,

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

18.2440, 35.7301, 8.4177

Protanopia

31.7430, 34.9849, 6.9134

Deuteranopia

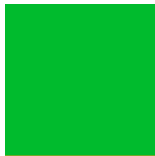
35.5708, 34.9144, 9.0020



Tritanopia

27.2737, 35.4807, 52.9879

Trichromacy



Original Color

18.2440, 35.7301, 8.4177



Protanomaly

21.8452, 32.5544, 7.2301



Deuteranomaly

22.8734, 31.6886, 8.4010



Tritanomaly

21.8307, 34.6707, 28.8341

Monochromacy



Original Color

18.2440, 35.7301, 8.4177



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1180, 21.2044, 13.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2440, 35.7301, 8.4177 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 45) }
```

Border

The CSS property to change the border of an element to XYZ 18.2440, 35.7301, 8.4177 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, 45) }
```


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

```
.border{ border-color:rgb(0, 187, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2440, 35.7301, 8.4177 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, 45) }
```

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

```
.background{ background-color: rgb(0, 187,  
45) }
```

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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