

Converting Colors

XYZ(18.7341, 35.3157, 12.8805)

Have a look what the booklet for
XYZ(18.7341, 35.3157, 12.8805)
contains.

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Color

**XYZ(18.6885, 35.2337,
12.8370)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B94D |
| RGB | 0, 185, 77 |
| RGB Percent | 0%, 73%, 30% |
| CMY | 1.0000, 0.2745, 0.6980 |
| CMYK | 1.00, 0.00, 0.58, 0.27 |
| HSL | 145°, 100%, 36% |
| HSV | 145°, 100%, 73% |
| XYZ | 18.6885, 35.2337, 12.8370 |
| YIQ | 117.3730, -75.5920, -72.8080 |

Conversions

Conversions Part 2

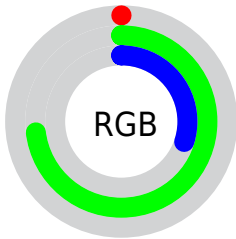
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 131, 185 |
| Decimal | 47437 |
| CIELab | 65.93, -62.40, 43.19 |
| CIELCh | 66, 75.889, 145.311 |
| Yxy | 35.2337, 0.2799, 0.5278 |
| Android (android.graphics.Color) | 4278237517 (0xFF00B94D) |
| YUV | 117.3730, -19.9039, -102.9361 |
| Hunter-Lab | 59.3580, -47.6768, 28.7283 |

Details

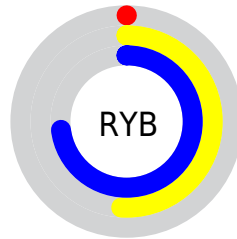
The XYZ color **18.6885, 35.2337, 12.8370** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.7155, 11.3976, 15.1917**, and the grayscale version is **17.1022, 17.9928, 19.5942**.

A 20% lighter version of the original color is **40.6443, 67.6306, 31.6807**, and **8.1581, 16.0355, 3.5849** is the 20% darker color. If you saturate the color by 10%, you get **18.6892, 35.2350, 12.8372**, and if you desaturate by 10%, it is **19.3620, 35.5341, 15.0282**.

Distribution



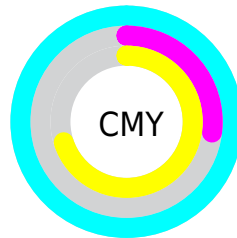
- Red (0%)
- Green (73%)
- Blue (30%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6885, 35.2337, 12.8370 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 18.6885, 35.2337, 12.8370 by changing the saturation by 10% instead.


 18.6885, 35.2337,
12.8370


 18.6885, 35.2337,
12.8370


237.6949,
325.5987, 221.0414


 11.5481, 23.8430,
7.1870


 40.7280, 67.8476,
31.6975


 6.5068, 15.2172,
3.4991


 56.3578, 89.8396,
45.7451


 3.1992, 8.9719,
1.3548


 75.5482, 116.1342,
63.4290

 1.2599, 4.7229,
0.1061

 98.6644, 147.1156,
85.1677

 0.1529, 2.0856,
0.0000

 126.0718,
183.1684, 111.3797

 0.0000, 0.6565,
0.0000

 158.1358,

 0.0000, 0.0000,

224.6769, 142.4836

0.0000

195.2217,
272.0255, 178.8980

■ 18.6885, 35.2337,
12.8370

■ 18.6885, 35.2337,
12.8370

■ 18.6892, 35.2350,
12.8372

■ 19.3620, 35.5341,
15.0282

■ 20.3460, 35.9860,
17.5790

■ 21.7352, 36.6387,
20.5088

■ 23.5768, 37.5164,
23.8332

■ 25.9112, 38.6396,
27.5670

■ 28.7740, 40.0264,
31.7239

■ 32.1975, 41.6931,
36.3171

■ 36.2112, 43.6548,
41.3590

■ 40.8425, 45.9254,
46.8618

Harmonies

Analogous

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



25.0804, 35.2337, 5.2200



18.6885, 35.2337, 12.8370



16.2508, 35.2337, 33.5279

Triad

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



18.6885, 35.2337, 12.8370



31.7546, 35.2337, 138.8721



57.0424, 35.2337, 17.5356

Complementary

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



18.6885, 35.2337, 12.8370



22.7155, 11.3976, 15.1917

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.



59.9433, 35.2337, 43.6431



18.6885, 35.2337, 12.8370



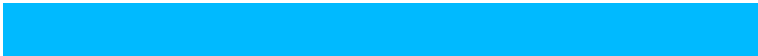
43.5928, 35.2337, 125.7990

Square

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



18.6885, 35.2337, 12.8370



22.6430, 35.2337, 114.9697



54.5622, 35.2337, 85.4082



47.3396, 35.2337, 6.6745

Rectangle

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



18.6885, 35.2337, 12.8370



16.6831, 35.2337, 57.1163



54.5622, 35.2337, 85.4082



58.9259, 35.2337, 24.2431

Sweetspot

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



18.6894, 35.2351, 12.8378



57.3363, 74.5098, 64.6165



23.9057, 38.0790, 6.0902



11.7854, 15.7825, 13.1712



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.6894, 35.2351, 12.8378



33.3607, 63.0592, 22.4104



24.2789, 37.4710, 42.2720



9.0412, 10.1205, 10.3744



12.7597, 24.0048, 8.9227



0.4808, 0.8586, 0.4779

Inverse Universe

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



22.7155, 11.3976, 15.1917



40.5622, 20.3643, 26.5787



20.1218, 10.3602, 1.5334



9.2185, 9.0978, 10.4982



15.5035, 7.7751, 10.5380



0.5766, 0.2861, 0.5299

Previews

White Background



This preview shows how the XYZ color 18.6885, 35.2337, 12.8370 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 18.6885, 35.2337, 12.8370 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 18.6885, 35.2337, 12.8370

Background



This preview shows how black text looks on a background with the XYZ color 18.6885, 35.2337, 12.8370.



This preview shows how white text looks on a background with the XYZ color 18.6885, 35.2337,

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

18.6885, 35.2337, 12.8370

Protanopia

31.6038, 34.5731, 10.6378

Deuteranopia

35.4136, 34.7305, 13.6412



Tritanopia

26.9608, 35.3194, 52.9733

Trichromacy



Original Color

18.6885, 35.2337, 12.8370



Protanomaly

21.9824, 31.9839, 11.1458



Deuteranomaly

23.1490, 31.4605, 13.0360



Tritanomaly

22.3924, 34.5597, 33.5075

Monochromacy



Original Color

18.6885, 35.2337, 12.8370



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.8953, 21.7612, 15.9856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6885, 35.2337, 12.8370 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, 185, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 77)  
}
```

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, 185, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.6885, 35.2337, 12.8370 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, 185, 77) }
```


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

```
.border{ border-color:rgb(0, 185, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 185, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6885, 35.2337, 12.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 77) }
```

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

```
.background{ background-color: rgb(0, 185,  
77) }
```

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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