

Converting Colors

XYZ(18.8148, 35.9608, 11.4183)

Have a look what the booklet for
XYZ(18.8148, 35.9608, 11.4183)
contains.

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Color

**XYZ(18.8137, 35.9580,
11.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB44
RGB	0, 187, 68
RGB Percent	0%, 73%, 27%
CMY	1.0000, 0.2667, 0.7333
CMYK	1.00, 0.00, 0.64, 0.27
HSL	142°, 100%, 37%
HSV	142°, 100%, 73%
XYZ	18.8137, 35.9580, 11.4178
YIQ	117.5210, -73.2530, -76.6530

Conversions

Conversions Part 2

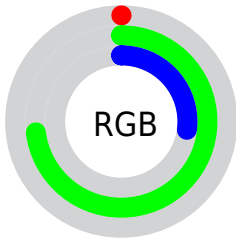
Format	Color
RYB	0, 137, 187
Decimal	47940
CIELab	66.49, -64.16, 47.91
CIELCh	66, 80.070, 143.250
Yxy	35.9580, 0.2842, 0.5433
Android (android.graphics.Color)	4278238020 (0xFF00BB44)
YUV	117.5210, -24.4139, -103.0659
Hunter-Lab	59.9650, -48.9353, 30.6862

Details

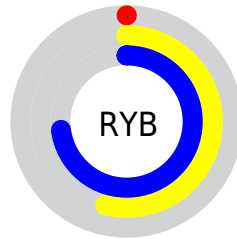
The XYZ color **18.8137, 35.9580, 11.4178** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.8244, 11.8973, 18.4948**, and the grayscale version is **17.1614, 18.0551, 19.6620**.

A 20% lighter version of the original color is **41.0796, 69.2576, 28.9722**, and **8.3006, 16.5223, 3.0101** is the 20% darker color. If you saturate the color by 10%, you get **18.8144, 35.9594, 11.4182**, and if you desaturate by 10%, it is **19.4783, 36.2553, 13.5421**.

Distribution



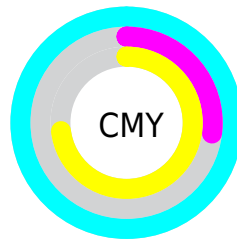
- Red (0%)
- Green (73%)
- Blue (27%)



- Red (0%)
- Yellow (54%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8137, 35.9580, 11.4178 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 18.8137, 35.9580, 11.4178 by changing the saturation by 10% instead.

■ 18.8137, 35.9580,
11.4178

■ 18.8137, 35.9580,
11.4178

238.3762,
328.7769, 211.3512

■ 11.6389, 24.4018,
6.2309

■ 40.9384, 68.9672,
29.0786

■ 6.5688, 15.6319,
2.9149

■ 56.6190, 91.1890,
42.3895

■ 3.2378, 9.2641,
1.0514

■ 75.8656, 117.7348,
59.2456

■ 1.2807, 4.9138,
0.0000

■ 99.0436, 148.9889,
80.0653

■ 0.1687, 2.1968,
0.0000

■ 126.5183,
185.3358, 105.2671

■ 0.0000, 0.7182,
0.0000

158.6551,

■ 0.0000, 0.0000,

227.1598, 135.2697

0.0000

195.8193,
274.8454, 170.4915

■ 18.8137, 35.9580,
11.4178

■ 18.8137, 35.9580,
11.4178

■ 18.8144, 35.9594,
11.4182

■ 19.4783, 36.2553,
13.5421

■ 20.4718, 36.7122,
16.0875

■ 21.8915, 37.3793,
19.0792

■ 23.7869, 38.2818,
22.5380

■ 26.2003, 39.4412,
26.4835

■ 29.1692, 40.8763,
30.9340

■ 32.7273, 42.6042,
35.9068

■ 36.9057, 44.6405,
41.4182

■ 41.7332, 46.9999,
47.4842

Harmonies

Analogous

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



25.8487, 35.9580, 4.4041



18.8137, 35.9580, 11.4178



15.9929, 35.9580, 31.8827

Triad

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



18.8137, 35.9580, 11.4178



31.5343, 35.9580, 148.3790



60.0840, 35.9580, 18.4201

Complementary

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



18.8137, 35.9580, 11.4178



23.8244, 11.8973, 18.4948

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.



62.6170, 35.9580, 47.4502



18.8137, 35.9580, 11.4178



44.1258, 35.9580, 136.7569

Square

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



18.8137, 35.9580, 11.4178



22.1397, 35.9580, 119.6328



56.2169, 35.9580, 93.5423



49.9373, 35.9580, 6.4748

Rectangle

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



18.8137, 35.9580, 11.4178



16.2685, 35.9580, 56.3485



56.2169, 35.9580, 93.5423



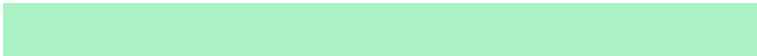
61.9388, 35.9580, 25.8673

Sweetspot

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



18.8146, 35.9595, 11.4186



58.2765, 76.1376, 63.8503



25.7340, 39.6471, 6.2965



12.2148, 16.4661, 13.2089



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.



18.8146, 35.9595, 11.4186



33.5918, 64.3593, 19.9043



24.0250, 38.0437, 38.8566



9.5483, 10.7054, 10.8709



12.9947, 24.7882, 8.0351



0.5407, 0.9837, 0.4819

Inverse Universe

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



23.8244, 11.8973, 18.4948



42.5499, 21.2599, 32.5026



20.7046, 10.6494, 2.0663



9.7787, 9.6358, 11.2237



16.4501, 8.2112, 12.9297



0.6747, 0.3338, 0.6663

Previews

White Background



This preview shows how the XYZ color 18.8137, 35.9580, 11.4178 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 18.8137, 35.9580, 11.4178 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 18.8137, 35.9580, 11.4178

Background



This preview shows how black text looks on a background with the XYZ color 18.8137, 35.9580, 11.4178.



This preview shows how white text looks on a background with the XYZ color 18.8137, 35.9580,

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

18.8137, 35.9580, 11.4178

Protanopia

32.1509, 35.3997, 9.4133

Deuteranopia

36.0551, 35.3383, 12.1284



Tritanopia

27.4169, 35.8299, 53.6150

Trichromacy



Original Color

18.8137, 35.9580, 11.4178



Protanomaly

22.2114, 32.6857, 9.8409



Deuteranomaly

23.2953, 31.8403, 11.3966



Tritanomaly

22.4499, 34.9129, 32.3437

Monochromacy



Original Color

18.8137, 35.9580, 11.4178



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.0244, 22.0609, 15.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8137, 35.9580, 11.4178 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 68) }
```

Border

The CSS property to change the border of an element to XYZ 18.8137, 35.9580, 11.4178 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, 68) }
```


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

```
.border{ border-color:rgb(0, 187, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8137, 35.9580, 11.4178 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, 68) }
```

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

```
.background{ background-color: rgb(0, 187,  
68) }
```

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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