

# Converting Colors

XYZ(19.4303, 35.3003, 11.8285)

Have a look what the booklet for  
XYZ(19.4303, 35.3003, 11.8285)  
contains.

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# Color

**XYZ(19.4501, 35.3402,  
11.7575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FB847
RGB	47, 184, 71
RGB Percent	18%, 72%, 28%
CMY	0.8157, 0.2784, 0.7216
CMYK	0.74, 0.00, 0.61, 0.28
HSL	131°, 59%, 45%
HSV	131°, 74%, 72%
XYZ	19.4501, 35.3402, 11.7575
YIQ	130.1550, -45.3790, -64.1870

# Conversions

## Conversions Part 2

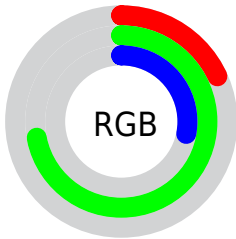
Format	Color
<a href="#">RYB</a>	47, 164, 184
Decimal	3127367
CIELab	66.01, -58.86, 46.16
CIElCh	66, 74.802, 141.893
Yxy	35.3402, 0.2923, 0.5310
Android (android.graphics.Color)	4281317447 (0xFF2FB847)
YUV	130.1550, -29.1634, -72.9269
Hunter-Lab	59.4476, -45.6316, 29.8870

# Details

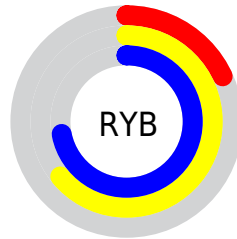
The XYZ color **19.4501, 35.3402, 11.7575** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **27.1297, 14.7620, 34.6776**, and the grayscale version is **21.3853, 22.4990, 24.5014**.

A 20% lighter version of the original color is **41.9699, 67.9181, 29.6363**, and **7.9365, 15.7350, 3.0708** is the 20% darker color. If you saturate the color by 10%, you get **18.3462, 34.8216, 9.4735**, and if you desaturate by 10%, it is **21.0348, 36.0947, 14.7006**.

# Distribution



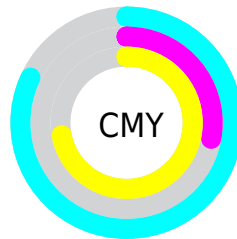
- Red (18%)
- Green (72%)
- Blue (28%)



- Red (18%)
- Yellow (64%)
- Blue (72%)



- Cyan (74%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)



- Cyan (82%)
- Magenta (28%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4501, 35.3402, 11.7575 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 19.4501, 35.3402, 11.7575 by changing the saturation by 10% instead.



■ 19.4501, 35.3402,  
11.7575

■ 19.4501, 35.3402,  
11.7575

241.8131,  
326.0674, 213.7138

■ 12.1019, 23.9251,  
6.4582

■ 42.0043, 68.0125,  
29.7104

■ 6.8858, 15.2780,  
3.0524

■ 57.9410, 90.0384,  
43.2012

■ 3.4365, 9.0147,  
1.1215

■ 77.4713, 116.3700,  
60.2595

■ 1.3886, 4.7508,  
0.0000

■ 100.9604,  
147.3917, 81.3040

■ 0.2481, 2.1018,  
0.0000

■ 128.7738,  
183.4879, 106.7531

■ 0.0000, 0.6656,  
0.0000

161.2768,

■ 0.0000, 0.0000,

225.0430, 137.0254

0.0000

198.8348,  
272.4414, 172.5395

■ 19.4501, 35.3402,  
11.7575

■ 19.4501, 35.3402,  
11.7575

■ 18.3462, 34.8216,  
9.4735

■ 21.0348, 36.0947,  
14.7006

■ 17.6630, 34.5058,  
7.7953

■ 23.1461, 37.1046,  
18.3458

■ 17.4051, 34.3879,  
7.1036

■ 25.8271, 38.3923,  
22.7354

■ 29.1158, 39.9766,  
27.9077

■ 33.0467, 41.8746,  
33.8981

■ 37.6518, 44.1019,  
40.7401

■ 42.9610, 46.6734,  
48.4651

■ 49.0023, 49.6029,  
57.1032

■ 55.8022, 52.9034,  
66.6828

# Harmonies

## Analogous

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



26.2497, 35.3402, 5.0788



19.4501, 35.3402, 11.7575



16.5934, 35.3402, 30.4945

# Triad

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



19.4501, 35.3402, 11.7575



30.6718, 35.3402, 136.1264



57.5138, 35.3402, 19.9050

# Complementary

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



19.4501, 35.3402, 11.7575



27.1297, 14.7620, 34.6776

# 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.



59.4307, 35.3402, 47.7493



19.4501, 35.3402, 11.7575



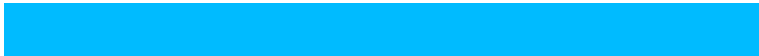
42.1846, 35.3402, 127.5065

# Square

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



19.4501, 35.3402, 11.7575



22.0744, 35.3402, 109.3081



53.3167, 35.3402, 89.8077



48.5419, 35.3402, 7.6542



# Rectangle

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



19.4501, 35.3402, 11.7575



16.7467, 35.3402, 52.4869



53.3167, 35.3402, 89.8077



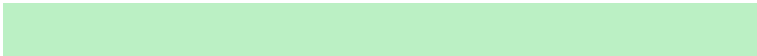
59.0735, 35.3402, 27.2163

# Sweetspot

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



19.4510, 35.3417, 11.7583



61.5442, 76.6990, 63.9076



32.3864, 42.0823, 9.1052



12.8155, 16.3162, 13.0985



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.



19.4510, 35.3417, 11.7583



32.4254, 62.7354, 15.2123



22.9253, 36.7314, 30.0540



8.9529, 10.0851, 9.9092



12.0138, 23.7065, 4.9949



0.4434, 0.8437, 0.2806



# Inverse Universe

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



27.1297, 14.7620, 34.6776



46.9102, 23.5076, 58.1439



22.7456, 13.0083, 11.5912



9.3116, 9.1350, 10.9882



17.5393, 8.5895, 21.2586



0.6363, 0.3100, 0.8441



# Previews

## White Background



This preview shows how the XYZ color 19.4501, 35.3402, 11.7575 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 19.4501, 35.3402, 11.7575 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 19.4501, 35.3402, 11.7575**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.4501, 35.3402, 11.7575.



This preview shows how white text looks on a background with the XYZ color 19.4501, 35.3402,



# 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

19.4501, 35.3402, 11.7575

### Protanopia

31.4550, 34.5136, 9.8544

### Deuteranopia

35.4784, 34.7863, 12.6291



## Tritanopia

27.3618, 34.9815, 51.7644

# Trichromacy



## Original Color

19.4501, 35.3402, 11.7575



## Protanomaly

24.2217, 33.1563, 10.4334



## Deuteranomaly

25.7703, 32.8375, 12.0012



## Tritanomaly

23.1579, 34.4039, 31.8056

# Monochromacy



## Original Color

19.4501, 35.3402, 11.7575



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

18.9222, 25.6261, 18.4170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.4501, 35.3402, 11.7575 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(47, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(47, 184, 71)  
}
```

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(47, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 184, 71) }
```

## Border

The CSS property to change the border of an element to XYZ 19.4501, 35.3402, 11.7575 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(47, 184, 71) }
```



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

```
.border{ border-color:rgb(47, 184, 71) }
```

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

Here you see how a box with a 4 pixel rgb(47, 184, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(47, 184,  
71) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.4501, 35.3402, 11.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 184, 71) }
```

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

```
.background{ background-color: rgb(47, 184,  
71) }
```

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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