

Converting Colors

XYZ(18.9475, 34.9580, 11.7088)

Have a look what the booklet for
XYZ(18.9475, 34.9580, 11.7088)
contains.

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Color

**XYZ(19.0408, 35.1292,
11.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	25B847
RGB	37, 184, 71
RGB Percent	15%, 72%, 28%
CMY	0.8549, 0.2784, 0.7216
CMYK	0.80, 0.00, 0.61, 0.28
HSL	134°, 67%, 43%
HSV	134°, 80%, 72%
XYZ	19.0408, 35.1292, 11.7383
YIQ	127.1650, -51.3390, -66.3070

Conversions

Conversions Part 2

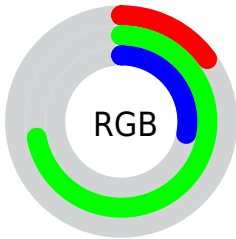
Format	Color
RYB	37, 156, 184
Decimal	2472007
CIELab	65.85, -60.24, 45.93
CIELCh	66, 75.750, 142.673
Yxy	35.1292, 0.2889, 0.5330
Android (android.graphics.Color)	4280662087 (0xFF25B847)
YUV	127.1650, -27.6893, -79.0747
Hunter-Lab	59.2699, -46.3781, 29.7466

Details

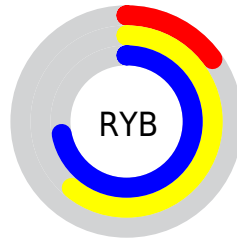
The XYZ color **19.0408, 35.1292, 11.7383** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.9348, 13.7162, 30.1360**, and the grayscale version is **20.3354, 21.3944, 23.2985**.

A 20% lighter version of the original color is **41.2148, 67.5288, 29.6010**, and **7.9438, 15.7379, 3.1093** is the 20% darker color. If you saturate the color by 10%, you get **18.1370, 34.7108, 9.5964**, and if you desaturate by 10%, it is **20.3845, 35.7642, 14.4540**.

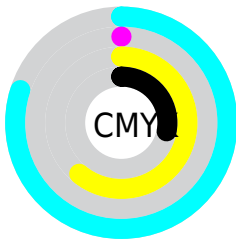
Distribution



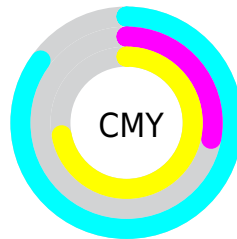
- Red (15%)
- Green (72%)
- Blue (28%)



- Red (15%)
- Yellow (61%)
- Blue (72%)



- Cyan (80%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)



- Cyan (85%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0408, 35.1292, 11.7383 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 19.0408, 35.1292, 11.7383 by changing the saturation by 10% instead.

■ 19.0408, 35.1292,
11.7383

■ 19.0408, 35.1292,
11.7383

239.6077,
325.1382, 213.5810

■ 11.8039, 23.7624,
6.4454

■ 41.3194, 67.6859,
29.6748

■ 6.6816, 15.1575,
3.0446

■ 57.0918, 89.6445,
43.1555

■ 3.3083, 8.9300,
1.1175

■ 76.4401, 115.9026,
60.2024

■ 1.3188, 4.6955,
0.0000

■ 99.7297, 146.8446,
81.2343

■ 0.1972, 2.0698,
0.0000

■ 127.3259,
182.8547, 106.6695

■ 0.0000, 0.6475,
0.0000

159.5941,

■ 0.0000, 0.0000,

224.3174, 136.9267

0.0000

196.8995,
271.6171, 172.4244

■ 19.0408, 35.1292,
11.7383

■ 19.0408, 35.1292,
11.7383

■ 18.1370, 34.7108,
9.5964

■ 20.3845, 35.7642,
14.4540

■ 17.5745, 34.4559,
7.9825

■ 22.2162, 36.6368,
17.7785

■ 17.5691, 34.4535,
7.9675

■ 24.5805, 37.7702,
21.7468

■ 27.5158, 39.1837,
26.3908

■ 31.0570, 40.8946,
31.7398

■ 35.2363, 42.9188,
37.8218

■ 40.0833, 45.2711,
44.6629

■ 45.6260, 47.9654,
52.2882

■ 51.8906, 51.0148,
60.7216

Harmonies

Analogous

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



25.7661, 35.1292, 4.9174



19.0408, 35.1292, 11.7383



16.2779, 35.1292, 30.9198

Triad

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



19.0408, 35.1292, 11.7383



30.7208, 35.1292, 137.6390



57.4257, 35.1292, 19.0806

Complementary

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



19.0408, 35.1292, 11.7383



25.9348, 13.7162, 30.1360

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.



59.5860, 35.1292, 46.6552



19.0408, 35.1292, 11.7383



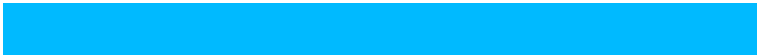
42.3847, 35.1292, 127.8825

Square

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



19.0408, 35.1292, 11.7383



21.9722, 35.1292, 111.1102



53.5776, 35.1292, 89.0742



48.2020, 35.1292, 7.2021

Rectangle

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



19.0408, 35.1292, 11.7383



16.4947, 35.1292, 53.4165



53.5776, 35.1292, 89.0742



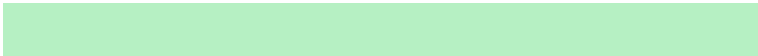
59.0750, 35.1292, 26.2656

Sweetspot

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



19.0416, 35.1306, 11.7391



60.3084, 76.0715, 63.4182



30.4527, 41.1061, 8.0798



12.4349, 16.1252, 12.8438



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.



19.0416, 35.1306, 11.7391



32.0838, 62.5623, 15.0598



22.8133, 36.6393, 31.6001



8.9732, 10.0933, 10.0162



12.1312, 23.7534, 5.6128



0.4520, 0.8471, 0.3260

Inverse Universe

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



25.9348, 13.7162, 30.1360



44.8512, 22.2464, 48.6505



21.8283, 12.0735, 8.5111



9.2897, 9.1262, 10.8728



16.9876, 8.3688, 18.3535



0.6209, 0.3038, 0.7630

Previews

White Background



This preview shows how the XYZ color 19.0408, 35.1292, 11.7383 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 19.0408, 35.1292, 11.7383 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 19.0408, 35.1292, 11.7383

Background



This preview shows how black text looks on a background with the XYZ color 19.0408, 35.1292, 11.7383.



This preview shows how white text looks on a background with the XYZ color 19.0408, 35.1292,

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

19.0408, 35.1292, 11.7383

Protanopia

31.4550, 34.5136, 9.8544

Deuteranopia

35.0575, 34.3294, 12.5631



Tritanopia

26.9237, 34.7557, 51.7439

Trichromacy



Original Color

19.0408, 35.1292, 11.7383



Protanomaly

23.6199, 32.8461, 10.4052



Deuteranomaly

24.9180, 32.1335, 11.9102



Tritanomaly

22.6737, 34.1543, 31.7830

Monochromacy



Original Color

19.0408, 35.1292, 11.7383



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.8598, 24.6210, 17.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0408, 35.1292, 11.7383 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(37, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 184, 71) }
```

Border

The CSS property to change the border of an element to XYZ 19.0408, 35.1292, 11.7383 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(37, 184, 71) }
```


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

```
.border{ border-color:rgb(37, 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(37, 184, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(37, 184,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0408, 35.1292, 11.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 184, 71) }
```

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

```
.background{ background-color: rgb(37, 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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