

Converting Colors

XYZ(19.1741, 35.7028, 13.3093)

Have a look what the booklet for
XYZ(19.1741, 35.7028, 13.3093)
contains.

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Color

**XYZ(19.2196, 35.8109,
13.2964)**

Conversions

Conversions Part 1

Format	Color
Hex	12BA4F
RGB	18, 186, 79
RGB Percent	7%, 73%, 31%
CMY	0.9294, 0.2706, 0.6902
CMYK	0.90, 0.00, 0.58, 0.27
HSL	142°, 82%, 40%
HSV	142°, 90%, 73%
XYZ	19.2196, 35.8109, 13.2964
YIQ	123.5700, -65.7810, -68.8930

Conversions

Conversions Part 2

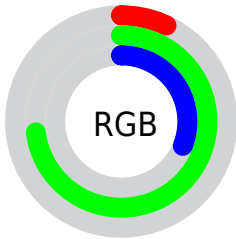
Format	Color
RYB	18, 141, 186
Decimal	1227343
CIELab	66.38, -61.59, 42.80
CIELCh	66, 75.002, 145.203
Yxy	35.8109, 0.2813, 0.5241
Android (android.graphics.Color)	4279417423 (0xFF12BA4F)
YUV	123.5700, -21.9730, -92.5849
Hunter-Lab	59.8422, -47.3948, 28.7158

Details

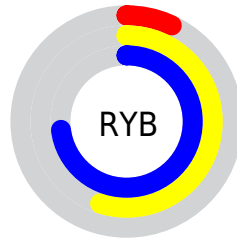
The XYZ color **19.2196, 35.8109, 13.2964** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.1686, 12.3529, 20.5129**, and the grayscale version is **19.1022, 20.0970, 21.8857**.

A 20% lighter version of the original color is **41.5142, 68.5066, 32.5078**, and **8.3141, 16.3117, 3.7472** is the 20% darker color. If you saturate the color by 10%, you get **18.5889, 35.5309, 11.2737**, and if you desaturate by 10%, it is **20.1902, 36.2579, 15.7979**.

Distribution



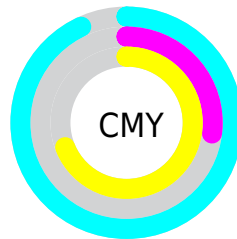
- Red (7%)
- Green (73%)
- Blue (31%)



- Red (7%)
- Yellow (55%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2196, 35.8109, 13.2964 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 19.2196, 35.8109, 13.2964 by changing the saturation by 10% instead.

■ 19.2196, 35.8109,
13.2964

■ 19.2196, 35.8109,
13.2964

240.5733,
328.1333, 224.0827

■ 11.9340, 24.2882,
7.4998

■ 41.6189, 68.7401,
32.5342

■ 6.7706, 15.5475,
3.6935

■ 57.4632, 90.9154,
46.8126

■ 3.3641, 9.2046,
1.4587

■ 76.8912, 117.4103,
64.7553

■ 1.3491, 4.8748,
0.1869

■ 100.2682,
148.6092, 86.7808

■ 0.2195, 2.1740,
0.0000

■ 127.9596,
184.8966, 113.3078

■ 0.0000, 0.7058,
0.0000

160.3307,

■ 0.0000, 0.0000,

226.6568, 144.7548

0.0000

197.7468,
274.2742, 181.5402

■ 19.2196, 35.8109,
13.2964

■ 19.2196, 35.8109,
13.2964

■ 18.5889, 35.5309,
11.2737

■ 20.1902, 36.2579,
15.7979

■ 21.5792, 36.9103,
18.7392

■ 23.4367, 37.7945,
22.1419

■ 25.8046, 38.9317,
26.0251

■ 28.7200, 40.3407,
30.4072

■ 32.2164, 42.0383,
35.3051

■ 36.3244, 44.0402,
40.7353

■ 41.0726, 46.3606,
46.7133

■ 46.4876, 49.0129,
53.2541

Harmonies

Analogous

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



25.6537, 35.8109, 5.5521



19.2196, 35.8109, 13.2964



16.7502, 35.8109, 34.0510

Triad

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



19.2196, 35.8109, 13.2964



32.2651, 35.8109, 138.6240



57.5209, 35.8109, 18.1591

Complementary

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



19.2196, 35.8109, 13.2964



24.1686, 12.3529, 20.5129

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.



60.3728, 35.8109, 44.3892



19.2196, 35.8109, 13.2964



44.0730, 35.8109, 125.8441

Square

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



19.2196, 35.8109, 13.2964



23.1524, 35.8109, 114.8963



54.9996, 35.8109, 85.9347



47.8896, 35.8109, 7.0832

Rectangle

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



19.2196, 35.8109, 13.2964



17.1773, 35.8109, 57.5384



54.9996, 35.8109, 85.9347



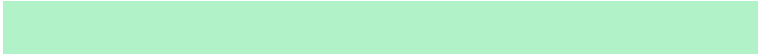
59.3828, 35.8109, 24.9324

Sweetspot

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



19.2205, 35.8124, 13.2972



60.4169, 77.1797, 66.7200



26.4514, 39.6905, 6.8392



12.7754, 16.7386, 13.9781



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.



19.2205, 35.8124, 13.2972



33.5865, 64.3571, 19.8762



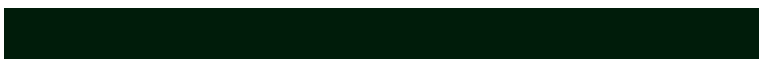
24.2247, 37.8141, 39.6493



9.0215, 10.1126, 10.2707



12.5387, 23.9164, 7.7588



0.4722, 0.8552, 0.4327

Inverse Universe

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



24.1686, 12.3529, 20.5129



42.5606, 21.2642, 32.5591



20.9066, 11.0481, 3.3355



9.2388, 9.1059, 10.6049



15.8788, 7.9253, 12.5146



0.5883, 0.2908, 0.5916

Previews

White Background



This preview shows how the XYZ color 19.2196, 35.8109, 13.2964 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 19.2196, 35.8109, 13.2964 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 19.2196, 35.8109, 13.2964

Background



This preview shows how black text looks on a background with the XYZ color 19.2196, 35.8109, 13.2964.



This preview shows how white text looks on a background with the XYZ color 19.2196, 35.8109,

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

19.2196, 35.8109, 13.2964

Protanopia

32.0682, 35.0615, 11.0386

Deuteranopia

35.9176, 35.2228, 14.1381



Tritanopia

27.4169, 35.8299, 53.6150

Trichromacy



Original Color

19.2196, 35.8109, 13.2964



Protanomaly

23.1697, 32.8634, 11.6007



Deuteranomaly

24.4549, 32.3914, 13.5576



Tritanomaly

23.0662, 35.1944, 34.0113

Monochromacy



Original Color

19.2196, 35.8109, 13.2964



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.8868, 23.8814, 17.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2196, 35.8109, 13.2964 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(18, 186, 79)` looks like.

```
.text, #text, p{  
    color:rgb(18, 186, 79)  
}
```

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(18, 186, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 79) }
```

Border

The CSS property to change the border of an element to XYZ 19.2196, 35.8109, 13.2964 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(18, 186, 79) }
```


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

```
.border{ border-color:rgb(18, 186, 79) }
```

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

Here you see how a box with a 4 pixel rgb(18, 186, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 186, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 186, 79);  
box-shadow:4px 4px 4px 4px rgb(18, 186,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2196, 35.8109, 13.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 79) }
```

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

```
.background{ background-color: rgb(18, 186,  
79) }
```

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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