

Converting Colors

XYZ(19.4027, 35.0010, 12.0366)

Have a look what the booklet for
XYZ(19.4027, 35.0010, 12.0366)
contains.

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Color

**XYZ(19.4027, 35.0010,
12.0366)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 31B749 |
| RGB | 49, 183, 73 |
| RGB Percent | 19%, 72%, 29% |
| CMY | 0.8078, 0.2823, 0.7137 |
| CMYK | 0.73, 0.00, 0.60, 0.28 |
| HSL | 131°, 58%, 45% |
| HSV | 131°, 73%, 72% |
| XYZ | 19.4027, 35.0010, 12.0366 |
| YIQ | 130.3940, -44.5540, -62.6180 |

Conversions

Conversions Part 2

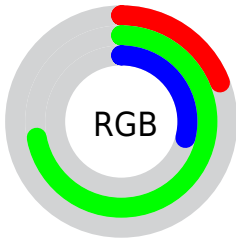
| Format | Color |
|-------------------------------------|--|
| RYB | 49, 163, 183 |
| Decimal | 3258185 |
| CIELab | 65.75, -57.96, 44.96 |
| CIELCh | 66, 73.357, 142.200 |
| Yxy | 35.0010, 0.2920, 0.5268 |
| Android (android.graphics.Color) | 4281448265 (0xFF31B749) |
| YUV | 130.3940, -28.2952, -71.3825 |
| Hunter-Lab | 59.1616, -44.9919, 29.3504 |

Details

The XYZ color **19.4027, 35.0010, 12.0366** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **26.8856, 14.7676, 34.2345**, and the grayscale version is **21.4671, 22.5850, 24.5951**.

A 20% lighter version of the original color is **41.9320, 67.4457, 30.2103**, and **7.9678, 15.7475, 3.2357** is the 20% darker color. If you saturate the color by 10%, you get **18.2535, 34.4603, 9.6899**, and if you desaturate by 10%, it is **21.0321, 35.7773, 15.0353**.

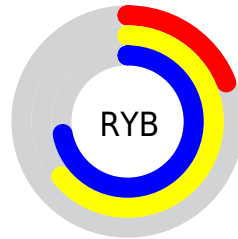
Distribution



Red (19%)

Green (72%)

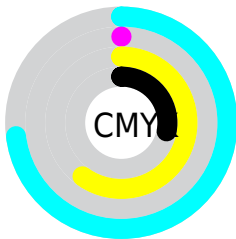
Blue (29%)



Red (19%)

Yellow (64%)

Blue (72%)

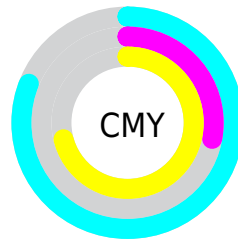


Cyan (73%)

Magenta (0%)

Yellow (60%)

Black (28%)



Cyan (81%)

Magenta (28%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4027, 35.0010, 12.0366 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 19.4027, 35.0010, 12.0366 by changing the saturation by 10% instead.

■ 19.4027, 35.0010,
12.0366

■ 19.4027, 35.0010,
12.0366

241.5586,
324.5727, 215.6339

■ 12.0673, 23.6636,
6.6458

■ 41.9251, 67.4873,
30.2271

■ 6.8621, 15.0843,
3.1665

■ 57.8429, 89.4051,
43.8639

■ 3.4216, 8.8786,
1.1803

■ 77.3521, 115.6184,
61.0864

■ 1.3804, 4.6621,
0.0000

■ 100.8183,
146.5117, 82.3132

■ 0.2422, 2.0504,
0.0000

■ 128.6066,
182.4694, 107.9628

■ 0.0000, 0.6365,
0.0000

161.0826,

■ 0.0000, 0.0000,

223.8759, 138.4538

0.0000

198.6115,
271.1155, 174.2047

■ 19.4027, 35.0010,
12.0366

■ 19.4027, 35.0010,
12.0366

■ 18.2535, 34.4603,
9.6899

■ 21.0321, 35.7773,
15.0353

■ 17.5267, 34.1236,
7.9443

■ 23.1859, 36.8082,
18.7273

■ 17.2056, 33.9770,
7.0741

■ 25.9059, 38.1152,
23.1531

■ 29.2289, 39.7167,
28.3495

■ 33.1886, 41.6293,
34.3508

■ 37.8163, 43.8684,
41.1893

■ 43.1410, 46.4484,
48.8953

■ 49.1902, 49.3827,
57.4979

■ 55.9897, 52.6841,
67.0246

Harmonies

Analogous

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



26.0182, 35.0010, 5.3009



19.4027, 35.0010, 12.0366



16.6364, 35.0010, 30.5919

Triad

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



19.4027, 35.0010, 12.0366



30.5267, 35.0010, 132.6876



56.4504, 35.0010, 19.7583

Complementary

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



19.4027, 35.0010, 12.0366



26.8856, 14.7676, 34.2345

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.



58.3899, 35.0010, 46.7691



19.4027, 35.0010, 12.0366



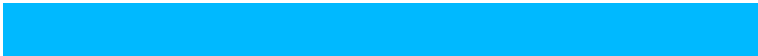
41.7517, 35.0010, 124.0150

Square

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



19.4027, 35.0010, 12.0366



22.0888, 35.0010, 107.1141



52.5333, 35.0010, 87.4508



47.6956, 35.0010, 7.7776

Rectangle

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



19.4027, 35.0010, 12.0366



16.8116, 35.0010, 52.1191



52.5333, 35.0010, 87.4508



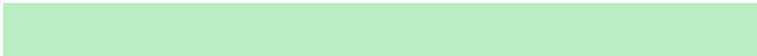
57.9877, 35.0010, 26.8675

Sweetspot

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



19.4035, 35.0024, 12.0374



60.1035, 74.8762, 62.5137



32.1200, 41.6329, 9.2488



12.8210, 16.3184, 13.1275



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.



19.4035, 35.0024, 12.0374



31.7978, 61.3001, 15.2856



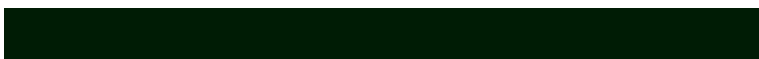
22.8126, 36.3661, 29.9894



8.9543, 10.0857, 9.9167



12.0210, 23.7094, 5.0328



0.4440, 0.8439, 0.2838

Inverse Universe

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



26.8856, 14.7676, 34.2345



45.7997, 23.0421, 56.5356



22.6331, 13.0666, 11.8410



9.3100, 9.1344, 10.9801



17.4991, 8.5734, 21.0470



0.6352, 0.3095, 0.8382

Previews

White Background



This preview shows how the XYZ color 19.4027, 35.0010, 12.0366 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 19.4027, 35.0010, 12.0366 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 19.4027, 35.0010, 12.0366

Background



This preview shows how black text looks on a background with the XYZ color 19.4027, 35.0010, 12.0366.



This preview shows how white text looks on a background with the XYZ color 19.4027, 35.0010,

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

19.4027, 35.0010, 12.0366

Protanopia

31.2860, 34.4197, 10.1490

Deuteranopia

34.8377, 34.2117, 12.7500



Tritanopia

27.2558, 34.9391, 51.2063

Trichromacy



Original Color

19.4027, 35.0010, 12.0366



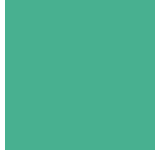
Protanomaly

24.2827, 33.1808, 10.7549



Deuteranomaly

25.4930, 32.4216, 12.3115



Tritanomaly

23.2319, 34.4420, 31.8091

Monochromacy



Original Color

19.4027, 35.0010, 12.0366



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.8746, 25.3657, 18.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4027, 35.0010, 12.0366 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(49, 183, 73)` looks like.

```
.text, #text, p{  
    color:rgb(49, 183, 73)  
}
```

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(49, 183, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 183, 73) }
```

Border

The CSS property to change the border of an element to XYZ 19.4027, 35.0010, 12.0366 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(49, 183, 73) }
```


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

```
.border{ border-color:rgb(49, 183, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 183, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 183, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 183, 73);  
box-shadow:4px 4px 4px 4px rgb(49, 183,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4027, 35.0010, 12.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 183, 73) }
```

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

```
.background{ background-color: rgb(49, 183,  
73) }
```

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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