

Converting Colors

XYZ(18.3392, 34.0683, 11.9566)

Have a look what the booklet for
XYZ(18.3392, 34.0683, 11.9566)
contains.

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Color

**XYZ(18.3825, 34.1699,
11.9299)**

Conversions

Conversions Part 1

Format	Color
Hex	1BB649
RGB	27, 182, 73
RGB Percent	11%, 71%, 29%
CMY	0.8941, 0.2863, 0.7137
CMYK	0.85, 0.00, 0.60, 0.29
HSL	138°, 74%, 41%
HSV	138°, 85%, 71%
XYZ	18.3825, 34.1699, 11.9299
YIQ	123.2290, -57.3910, -66.7590

Conversions

Conversions Part 2

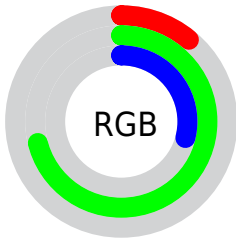
Format	Color
RYB	27, 147, 182
Decimal	1816137
CIELab	65.10, -60.41, 44.12
CIELCh	65, 74.803, 143.855
Yxy	34.1699, 0.2851, 0.5299
Android (android.graphics.Color)	4280006217 (0xFF1BB649)
YUV	123.2290, -24.7629, -84.3928
Hunter-Lab	58.4550, -46.1629, 28.8182

Details

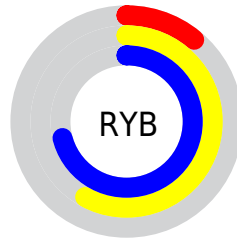
The XYZ color **18.3825, 34.1699, 11.9299** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.1282, 12.5070, 24.4356**, and the grayscale version is **18.9960, 19.9853, 21.7639**.

A 20% lighter version of the original color is **40.1617, 66.0972, 30.0433**, and **7.7069, 15.2258, 3.1488** is the 20% darker color. If you saturate the color by 10%, you get **17.6598, 33.8424, 9.9048**, and if you desaturate by 10%, it is **19.4914, 34.6884, 14.4305**.

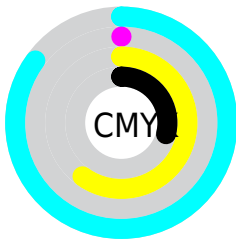
Distribution



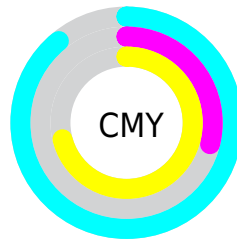
- Red (11%)
- Green (71%)
- Blue (29%)



- Red (11%)
- Yellow (58%)
- Blue (71%)



- Cyan (85%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)





- Cyan (89%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3825, 34.1699, 11.9299 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 18.3825, 34.1699, 11.9299 by changing the saturation by 10% instead.


 18.3825, 34.1699,
11.9299


 18.3825, 34.1699,
11.9299


236.0224,
320.8890, 214.9021


 11.3263, 23.0242,
6.5740


 40.2130, 66.1978,
30.0299


 6.3557, 14.6113,
3.1228


 55.7180, 87.8487,
43.6110


 3.1052, 8.5471,
1.1577


 74.7701, 113.7702,
60.7710

 1.2097, 4.4470,
0.0000

 97.7344, 144.3465,
81.9283

 0.1140, 1.9266,
0.0000

 124.9765,
179.9622, 107.5015

 0.0000, 0.5643,
0.0000

156.8616,

 0.0000, 0.0000,

221.0016, 137.9092

0.0000

193.7551,
267.8490, 173.5699

■ 18.3825, 34.1699,
11.9299

■ 18.3825, 34.1699,
11.9299

■ 17.6598, 33.8424,
9.9048

■ 19.4914, 34.6884,
14.4305

■ 17.3948, 33.7237,
9.0844

■ 21.0374, 35.4205,
17.4326

■ 23.0651, 36.3898,
20.9628

■ 25.6130, 37.6155,
25.0452

■ 28.7154, 39.1150,
29.7023

■ 32.4036, 40.9039,
34.9555

■ 36.7066, 42.9967,
40.8248

■ 41.6513, 45.4070,
47.3296

■ 47.2632, 48.1474,
54.4881

Harmonies

Analogous

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



24.7539, 34.1699, 4.9563



18.3825, 34.1699, 11.9299



15.8452, 34.1699, 31.1727

Triad

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



18.3825, 34.1699, 11.9299



30.2965, 34.1699, 133.7526



55.5215, 34.1699, 17.9040

Complementary

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



18.3825, 34.1699, 11.9299



24.1282, 12.5070, 24.4356

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.



57.9309, 34.1699, 43.9697



18.3825, 34.1699, 11.9299



41.6606, 34.1699, 122.8941

Square

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



18.3825, 34.1699, 11.9299



21.6666, 34.1699, 109.2562



52.3915, 34.1699, 84.7075



46.3927, 34.1699, 6.8173

Rectangle

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



18.3825, 34.1699, 11.9299



16.1489, 34.1699, 53.4148



52.3915, 34.1699, 84.7075



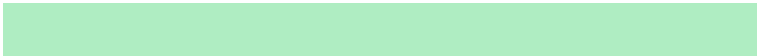
57.2178, 34.1699, 24.6595

Sweetspot

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



18.3833, 34.1713, 11.9307



57.8313, 73.7118, 62.0952



27.4219, 38.9469, 7.1092



12.2470, 16.0253, 12.9723



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.



18.3833, 34.1713, 11.9307



31.4452, 61.1023, 15.9943



22.5592, 35.8416, 33.9205



8.9971, 10.1028, 10.1421



12.3095, 23.8247, 6.5516



0.4620, 0.8511, 0.3790

Inverse Universe

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



24.1282, 12.5070, 24.4356



41.9288, 20.8118, 38.2543



20.5153, 11.0619, 5.4104



9.2643, 9.1161, 10.7391



16.4045, 8.1356, 15.2828



0.6041, 0.2971, 0.6746

Previews

White Background



This preview shows how the XYZ color 18.3825, 34.1699, 11.9299 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 18.3825, 34.1699, 11.9299 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 18.3825, 34.1699, 11.9299

Background



This preview shows how black text looks on a background with the XYZ color 18.3825, 34.1699, 11.9299.



This preview shows how white text looks on a background with the XYZ color 18.3825, 34.1699,

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

18.3825, 34.1699, 11.9299

Protanopia

30.4667, 33.4943, 9.8603

Deuteranopia

34.0087, 33.3106, 12.6198



Tritanopia

26.3004, 34.1651, 51.1073

Trichromacy



Original Color

18.3825, 34.1699, 11.9299



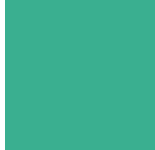
Protanomaly

22.5648, 31.7547, 10.4088



Deuteranomaly

23.6719, 30.9598, 12.1253



Tritanomaly

22.1089, 33.5731, 31.7006

Monochromacy



Original Color

18.3825, 34.1699, 11.9299



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.5476, 23.0411, 16.9398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3825, 34.1699, 11.9299 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(27, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(27, 182, 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(27, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 182, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.3825, 34.1699, 11.9299 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(27, 182, 73) }
```


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

```
.border{ border-color:rgb(27, 182, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 182, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(27, 182,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3825, 34.1699, 11.9299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 182, 73) }
```

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

```
.background{ background-color: rgb(27, 182,  
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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