

Converting Colors

XYZ(19.3373, 34.4554, 14.9108)

Have a look what the booklet for
XYZ(19.3373, 34.4554, 14.9108)
contains.

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Color

**XYZ(19.4039, 34.6319,
14.8945)**

Conversions

Conversions Part 1

Format	Color
Hex	29B658
RGB	41, 182, 88
RGB Percent	16%, 71%, 35%
CMY	0.8392, 0.2863, 0.6549
CMYK	0.77, 0.00, 0.52, 0.29
HSL	140°, 63%, 44%
HSV	140°, 77%, 71%
XYZ	19.4039, 34.6319, 14.8945
YIQ	129.1250, -53.8620, -59.1260

Conversions

Conversions Part 2

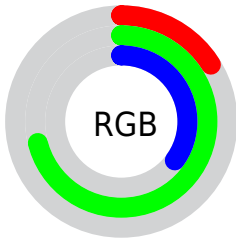
Format	Color
RYB	41, 147, 182
Decimal	2733656
CIELab	65.46, -56.71, 37.40
CIELCh	65, 67.936, 146.598
Yxy	34.6319, 0.2815, 0.5024
Android (android.graphics.Color)	4280923736 (0xFF29B658)
YUV	129.1250, -20.2746, -77.2856
Hunter-Lab	58.8489, -44.1298, 26.1881

Details

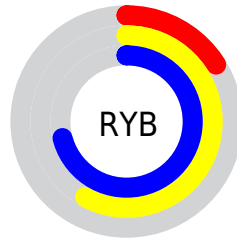
The XYZ color **19.4039, 34.6319, 14.8945** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.4587, 13.2810, 24.1975**, and the grayscale version is **20.9934, 22.0867, 24.0524**.

A 20% lighter version of the original color is **41.9068, 66.8777, 35.5109**, and **8.0854, 15.5848, 4.5015** is the 20% darker color. If you saturate the color by 10%, you get **18.3774, 34.1570, 12.4380**, and if you desaturate by 10%, it is **20.8512, 35.3160, 17.8089**.

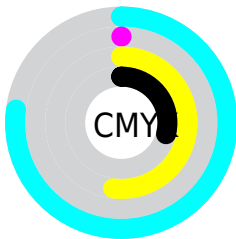
Distribution



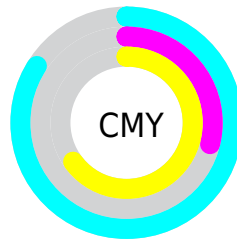
- Red (16%)
- Green (71%)
- Blue (35%)



- Red (16%)
- Yellow (58%)
- Blue (71%)



- Cyan (77%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)





- Cyan (84%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4039, 34.6319, 14.8945 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 19.4039, 34.6319, 14.8945 by changing the saturation by 10% instead.


 19.4039, 34.6319,
14.8945


 19.4039, 34.6319,
14.8945


241.5651,
322.9406, 234.3455


 12.0682, 23.3795,
8.5996


 41.9271, 66.9151,
35.4077


 6.8627, 14.8740,
4.3877


 57.8453, 88.7147,
50.4630


 3.4219, 8.7310,
1.8404


 77.3551, 114.7988,
69.2756

 1.3806, 4.5661,
0.4544

 100.8219,
145.5518, 92.2639

 0.2424, 1.9950,
0.0000

 128.6109,
181.3580, 119.8465

 0.0000, 0.6046,
0.0000

161.0875,

 0.0000, 0.0000,

222.6020, 152.4419

0.0000

198.6171,
269.6680, 190.4688

■ 19.4039, 34.6319,
14.8945

■ 19.4039, 34.6319,
14.8945

■ 18.3774, 34.1570,
12.4380

■ 20.8512, 35.3160,
17.8089

■ 17.7041, 33.8541,
10.4125

■ 22.7616, 36.2277,
21.2012

■ 17.5620, 33.7905,
9.9646

■ 25.1746, 37.3881,
25.0927

■ 28.1249, 38.8144,
29.5028

■ 31.6437, 40.5226,
34.4500

■ 35.7599, 42.5270,
39.9517

■ 40.5004, 44.8414,
46.0244

■ 45.8904, 47.4782,
52.6842

■ 51.9536, 50.4494,
59.9463

Harmonies

Analogous

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



25.0819, 34.6319, 6.8915



19.4039, 34.6319, 14.8945



17.2907, 34.6319, 34.5535

Triad

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



19.4039, 34.6319, 14.8945



31.7958, 34.6319, 122.9491



53.1267, 34.6319, 18.1319

Complementary

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



19.4039, 34.6319, 14.8945



24.4587, 13.2810, 24.1975

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.



55.9098, 34.6319, 41.0494



19.4039, 34.6319, 14.8945



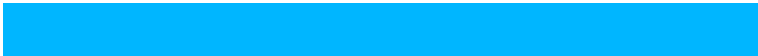
42.2333, 34.6319, 110.8482

Square

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



19.4039, 34.6319, 14.8945



23.4790, 34.6319, 104.3177



51.5819, 34.6319, 76.5643



44.5947, 34.6319, 7.9910

Rectangle

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



19.4039, 34.6319, 14.8945



17.7918, 34.6319, 55.5980



51.5819, 34.6319, 76.5643



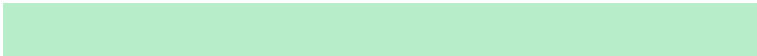
54.8314, 34.6319, 24.1379

Sweetspot

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



19.4048, 34.6333, 14.8953



60.2799, 74.8813, 66.4034



27.5034, 38.9656, 8.1697



12.7432, 16.2612, 13.8935



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.



19.4048, 34.6333, 14.8953



32.4021, 61.5110, 19.8638



23.6569, 36.3342, 37.2869



9.0105, 10.1082, 10.2128



12.4295, 23.8728, 7.1839



0.4677, 0.8534, 0.4086

Inverse Universe

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



24.4587, 13.2810, 24.1975



41.8373, 21.0861, 36.8141



21.0939, 11.9351, 6.4791



9.2502, 9.1105, 10.6650



16.1069, 8.0165, 13.7155



0.5953, 0.2936, 0.6280

Previews

White Background



This preview shows how the XYZ color 19.4039, 34.6319, 14.8945 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 19.4039, 34.6319, 14.8945 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 19.4039, 34.6319, 14.8945

Background



This preview shows how black text looks on a background with the XYZ color 19.4039, 34.6319, 14.8945.



This preview shows how white text looks on a background with the XYZ color 19.4039, 34.6319,

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

19.4039, 34.6319, 14.8945

Protanopia

31.1304, 34.0316, 12.5174

Deuteranopia

34.6638, 34.0541, 15.8125



Tritanopia

26.5443, 34.2909, 51.1187

Trichromacy



Original Color

19.4039, 34.6319, 14.8945



Protanomaly

23.9842, 32.6976, 13.2308



Deuteranomaly

25.0495, 31.8652, 15.1863



Tritanomaly

23.0150, 33.9858, 34.2011

Monochromacy



Original Color

19.4039, 34.6319, 14.8945



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.5569, 24.9361, 19.7547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4039, 34.6319, 14.8945 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(41, 182, 88)` looks like.

```
.text, #text, p{  
    color:rgb(41, 182, 88)  
}
```

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(41, 182, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 182, 88) }
```

Border

The CSS property to change the border of an element to XYZ 19.4039, 34.6319, 14.8945 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(41, 182, 88) }
```


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

```
.border{ border-color:rgb(41, 182, 88) }
```

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

Here you see how a box with a 4 pixel rgb(41, 182, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 182, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 182, 88);  
box-shadow:4px 4px 4px 4px rgb(41, 182,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4039, 34.6319, 14.8945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 182, 88) }
```

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

```
.background{ background-color: rgb(41, 182,  
88) }
```

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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