

Converting Colors

XYZ(19.7289, 34.3174, 14.3295)

Have a look what the booklet for
XYZ(19.7289, 34.3174, 14.3295)
contains.

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Color

**XYZ(19.6883, 34.1843,
14.3646)**

Conversions

Conversions Part 1

Format	Color
Hex	39B456
RGB	57, 180, 86
RGB Percent	22%, 71%, 34%
CMY	0.7765, 0.2941, 0.6627
CMYK	0.68, 0.00, 0.52, 0.29
HSL	134°, 52%, 46%
HSV	134°, 68%, 71%
XYZ	19.6883, 34.1843, 14.3646
YIQ	132.5070, -43.1340, -55.3100

Conversions

Conversions Part 2

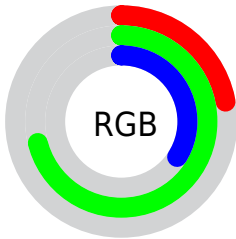
Format	Color
RYB	57, 157, 180
Decimal	3781718
CIELab	65.11, -53.76, 38.03
CIELCh	65, 65.854, 144.727
Yxy	34.1843, 0.2885, 0.5010
Android (android.graphics.Color)	4281971798 (0xFF39B456)
YUV	132.5070, -22.9280, -66.2196
Hunter-Lab	58.4673, -42.2097, 26.3604

Details

The XYZ color **19.6883, 34.1843, 14.3646** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.8724, 14.8645, 30.7844**, and the grayscale version is **22.2077, 23.3642, 25.4436**.

A 20% lighter version of the original color is **42.4794, 66.3253, 34.6079**, and **7.7793, 15.0491, 4.1638** is the 20% darker color. If you saturate the color by 10%, you get **18.3364, 33.5463, 11.6817**, and if you desaturate by 10%, it is **21.5123, 35.0552, 17.6279**.

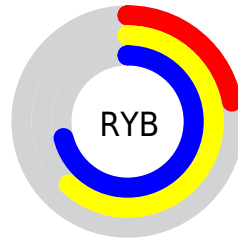
Distribution



Red (22%)

Green (71%)

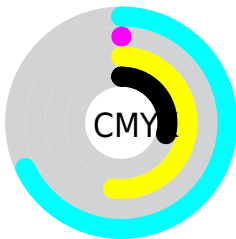
Blue (34%)



Red (22%)

Yellow (62%)

Blue (71%)

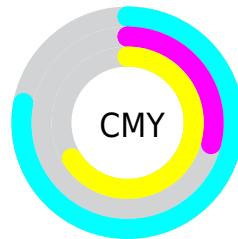


Cyan (68%)

Magenta (0%)

Yellow (52%)

Black (29%)



Cyan (78%)

Magenta (29%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6883, 34.1843, 14.3646 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 19.6883, 34.1843, 14.3646 by changing the saturation by 10% instead.

■ 19.6883, 34.1843,
14.3646

■ 19.6883, 34.1843,
14.3646

243.0885,
320.9531, 230.9941

■ 12.2756, 23.0352,
8.2330

■ 42.4019, 66.2202,
34.4610

■ 7.0052, 14.6195,
4.1545

■ 58.4336, 87.8757,
49.2628

■ 3.5117, 8.5528,
1.7105

■ 78.0689, 113.8023,
67.7919

■ 1.4298, 4.4507,
0.3679

■ 101.6733,
144.3842, 90.4667

■ 0.2773, 1.9287,
0.0000

■ 129.6121,
180.0058, 117.7058

■ 0.0000, 0.5656,
0.0000

162.2507,

■ 0.0000, 0.0000,

221.0515, 149.9277

0.0000

199.9544,
267.9058, 187.5510

■ 19.6883, 34.1843,
14.3646

■ 19.6883, 34.1843,
14.3646

■ 18.3364, 33.5463,
11.6817

■ 21.5123, 35.0552,
17.6279

■ 17.4075, 33.1138,
9.5428

■ 23.8460, 36.1750,
21.5008

■ 16.8280, 32.8507,
7.9097

■ 26.7262, 37.5629,
26.0131

■ 16.7478, 32.8143,
7.6832

■ 30.1853, 39.2351,
31.1921

■ 34.2532, 41.2065,
37.0634

■ 38.9578, 43.4908,
43.6512

■ 44.3252, 46.1012,
50.9787

■ 50.3800, 49.0498,
59.0678

■ 57.1455, 52.3481,
67.9399

Harmonies

Analogous

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



25.4001, 34.1843, 6.9756



19.6883, 34.1843, 14.3646



17.4231, 34.1843, 32.5949

Triad

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



19.6883, 34.1843, 14.3646



30.8330, 34.1843, 117.9730



52.1844, 34.1843, 19.2734

Complementary

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



19.6883, 34.1843, 14.3646



25.8724, 14.8645, 30.7844

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.



54.4178, 34.1843, 42.2651



19.6883, 34.1843, 14.3646



40.7925, 34.1843, 108.3252

Square

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



19.6883, 34.1843, 14.3646



23.0000, 34.1843, 98.7709



49.9044, 34.1843, 76.5920



44.2889, 34.1843, 8.6807

Rectangle

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



19.6883, 34.1843, 14.3646



17.7723, 34.1843, 52.2530



49.9044, 34.1843, 76.5920



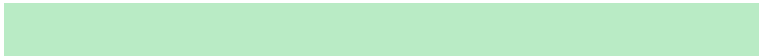
53.6800, 34.1843, 25.3895

Sweetspot

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



19.6891, 34.1857, 14.3654



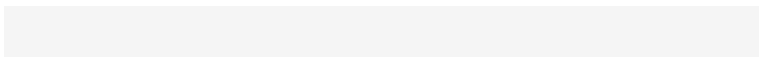
59.7545, 73.5727, 63.8448



29.8793, 39.5476, 9.9296



12.4790, 15.6903, 13.1709



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6891, 34.1857, 14.3654



32.3025, 60.3827, 19.0953



23.2917, 35.6267, 33.3363



8.4684, 9.5218, 9.4601



11.7108, 22.9103, 5.4799



0.3914, 0.7300, 0.2929

Inverse Universe

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



25.8724, 14.8645, 30.7844



44.1767, 22.9510, 50.3838



22.1234, 13.3648, 11.0422



8.7626, 8.6118, 10.2485



16.3434, 8.0549, 17.5000



0.5351, 0.2618, 0.6605

Previews

White Background



This preview shows how the XYZ color 19.6883, 34.1843, 14.3646 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 19.6883, 34.1843, 14.3646 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 19.6883, 34.1843, 14.3646

Background



This preview shows how black text looks on a background with the XYZ color 19.6883, 34.1843, 14.3646.



This preview shows how white text looks on a background with the XYZ color 19.6883, 34.1843,

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

19.6883, 34.1843, 14.3646

Protanopia

30.6657, 33.5482, 12.0669

Deuteranopia

34.1619, 33.5680, 15.2684



Tritanopia

26.6657, 33.8211, 49.9224

Trichromacy



Original Color

19.6883, 34.1843, 14.3646



Protanomaly

24.3004, 32.3296, 12.7441



Deuteranomaly

25.7885, 31.9959, 14.7141



Tritanomaly

23.2694, 33.5618, 33.2686

Monochromacy



Original Color

19.6883, 34.1843, 14.3646



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.8844, 26.0769, 20.5083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6883, 34.1843, 14.3646 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(57, 180, 86)` looks like.

```
.text, #text, p{  
    color:rgb(57, 180, 86)  
}
```

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(57, 180, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 180, 86) }
```

Border

The CSS property to change the border of an element to XYZ 19.6883, 34.1843, 14.3646 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(57, 180, 86) }
```


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

```
.border{ border-color:rgb(57, 180, 86) }
```

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

Here you see how a box with a 4 pixel rgb(57, 180, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 180, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 180, 86);  
box-shadow:4px 4px 4px 4px rgb(57, 180,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6883, 34.1843, 14.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 180, 86) }
```

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

```
.background{ background-color: rgb(57, 180,  
86) }
```

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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