

Converting Colors

XYZ(19.8317, 33.8476, 13.3927)

Have a look what the booklet for
XYZ(19.8317, 33.8476, 13.3927)
contains.

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Color

**XYZ(19.9578, 34.0427,
13.5017)**

Conversions

Conversions Part 1

Format	Color
Hex	43B352
RGB	67, 179, 82
RGB Percent	26%, 70%, 32%
CMY	0.7373, 0.2980, 0.6784
CMYK	0.63, 0.00, 0.54, 0.30
HSL	128°, 46%, 48%
HSV	128°, 63%, 70%
XYZ	19.9578, 34.0427, 13.5017
YIQ	134.4540, -35.6150, -53.9110

Conversions

Conversions Part 2

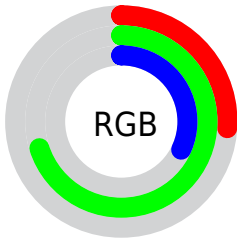
Format	Color
RYB	67, 166, 179
Decimal	4436818
CIELab	65.00, -51.94, 39.92
CIELCh	65, 65.504, 142.456
Yxy	34.0427, 0.2957, 0.5043
Android (android.graphics.Color)	4282626898 (0xFF43B352)
YUV	134.4540, -25.8598, -59.1572
Hunter-Lab	58.3461, -41.0482, 27.1222

Details

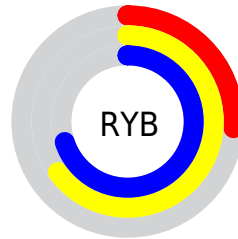
The XYZ color **19.9578, 34.0427, 13.5017** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.2993, 16.2788, 36.8255**, and the grayscale version is **22.9297, 24.1238, 26.2708**.

A 20% lighter version of the original color is **42.9027, 66.1478, 33.0608**, and **7.5943, 14.7715, 3.8174** is the 20% darker color. If you saturate the color by 10%, you get **18.3904, 33.2963, 10.6895**, and if you desaturate by 10%, it is **22.0394, 35.0407, 17.0352**.

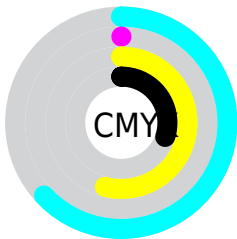
Distribution



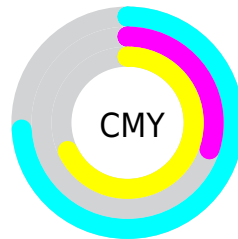
- Red (26%)
- Green (70%)
- Blue (32%)



- Red (26%)
- Yellow (65%)
- Blue (70%)



- Cyan (63%)
- Magenta (0%)
- Yellow (54%)
- Black (30%)



- Cyan (74%)
- Magenta (30%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9578, 34.0427, 13.5017 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 19.9578, 34.0427, 13.5017 by changing the saturation by 10% instead.

■ 19.9578, 34.0427,
13.5017

■ 19.9578, 34.0427,
13.5017

244.5245,
320.3224, 225.4280

■ 12.4725, 22.9264,
7.6401

■ 42.8509, 66.0001,
32.9065

■ 7.1408, 14.5392,
3.7811

■ 58.9894, 87.6099,
47.2869

■ 3.5974, 8.4966,
1.5060

■ 78.7429, 113.4864,
65.3439

■ 1.4770, 4.4143,
0.2224

■ 102.4769,
144.0140, 87.4961

■ 0.3101, 1.9079,
0.0000

■ 130.5567,
179.5769, 114.1621

■ 0.0000, 0.5531,
0.0000

163.3477,

■ 0.0000, 0.0000,

220.5597, 145.7604

0.0000

201.2152,
267.3468, 182.7095

■ 19.9578, 34.0427,
13.5017

■ 19.9578, 34.0427,
13.5017

■ 18.3904, 33.2963,
10.6895

■ 22.0394, 35.0407,
17.0352

■ 17.2894, 32.7750,
8.5467

■ 24.6726, 36.3058,
21.3325

■ 16.6020, 32.4537,
7.0181

■ 27.8941, 37.8570,
26.4357

■ 16.2854, 32.3074,
6.2406

■ 31.7369, 39.7103,
32.3830

■ 36.2313, 41.8808,
39.2103

■ 41.4058, 44.3824,
46.9513

■ 47.2870, 47.2281,
55.6380

■ 53.9004, 50.4304,
65.3008

■ 61.2698, 54.0010,
75.9688

Harmonies

Analogous

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



25.8865, 34.0427, 6.7391



19.9578, 34.0427, 13.5017



17.4517, 34.0427, 30.6319

Triad

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



19.9578, 34.0427, 13.5017



30.0239, 34.0427, 116.5455



52.2753, 34.0427, 20.4997

Complementary

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



19.9578, 34.0427, 13.5017



27.2993, 16.2788, 36.8255

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.



53.9779, 34.0427, 44.3449



19.9578, 34.0427, 13.5017



39.8238, 34.0427, 109.1865

Square

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



19.9578, 34.0427, 13.5017



22.4789, 34.0427, 95.7107



49.0518, 34.0427, 78.8016



44.7720, 34.0427, 9.1844

Rectangle

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



19.9578, 34.0427, 13.5017



17.6319, 34.0427, 49.4935



49.0518, 34.0427, 78.8016



53.5975, 34.0427, 26.9163

Sweetspot

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



19.9586, 34.0441, 13.5025



59.3226, 72.3168, 61.7921



32.4581, 40.5468, 11.4258



12.6615, 15.7894, 12.9547



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.



19.9586, 34.0441, 13.5025



32.1138, 59.2403, 17.5905



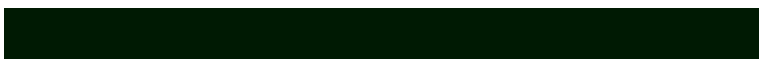
23.0183, 35.2680, 29.6145



8.4338, 9.5080, 9.2780



11.5219, 22.8348, 4.4854



0.3771, 0.7243, 0.2180

Inverse Universe

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



27.2993, 16.2788, 36.8255



46.2848, 24.7820, 62.4954



23.3088, 14.6826, 15.8118



8.8001, 8.6268, 10.4457



17.3364, 8.4521, 22.7294



0.5590, 0.2713, 0.7862

Previews

White Background



This preview shows how the XYZ color 19.9578, 34.0427, 13.5017 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 19.9578, 34.0427, 13.5017 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 19.9578, 34.0427, 13.5017

Background



This preview shows how black text looks on a background with the XYZ color 19.9578, 34.0427, 13.5017.



This preview shows how white text looks on a background with the XYZ color 19.9578, 34.0427,

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

19.9578, 34.0427, 13.5017

Protanopia

30.5606, 33.5062, 11.5132

Deuteranopia

34.0788, 33.3094, 14.3061



Tritanopia

27.0622, 33.7623, 49.3464

Trichromacy



Original Color

19.9578, 34.0427, 13.5017



Protanomaly

24.6618, 32.5287, 12.1866



Deuteranomaly

26.1452, 31.9407, 13.8040



Tritanomaly

23.5970, 33.4652, 32.4099

Monochromacy



Original Color

19.9578, 34.0427, 13.5017



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.4313, 26.3655, 20.2319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9578, 34.0427, 13.5017 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(67, 179, 82)` looks like.

```
.text, #text, p{  
    color:rgb(67, 179, 82)  
}
```

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(67, 179, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 179, 82) }
```

Border

The CSS property to change the border of an element to XYZ 19.9578, 34.0427, 13.5017 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(67, 179, 82) }
```


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

```
.border{ border-color:rgb(67, 179, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 179, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 179, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 179, 82);  
box-shadow:4px 4px 4px 4px rgb(67, 179,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9578, 34.0427, 13.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 179, 82) }
```

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

```
.background{ background-color: rgb(67, 179,  
82) }
```

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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