

Converting Colors

XYZ(19.5036, 36.2683, 13.6480)

Have a look what the booklet for
XYZ(19.5036, 36.2683, 13.6480)
contains.

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Color

**XYZ(19.4869, 36.2583,
13.5609)**

Conversions

Conversions Part 1

Format	Color
Hex	13BB50
RGB	19, 187, 80
RGB Percent	7%, 73%, 31%
CMY	0.9255, 0.2667, 0.6863
CMYK	0.90, 0.00, 0.57, 0.27
HSL	142°, 82%, 40%
HSV	142°, 90%, 73%
XYZ	19.4869, 36.2583, 13.5609
YIQ	124.5700, -65.7810, -68.8930

Conversions

Conversions Part 2

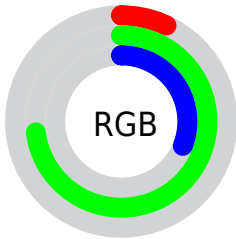
Format	Color
RYB	19, 142, 187
Decimal	1293136
CIELab	66.72, -61.71, 42.74
CIELCh	67, 75.062, 145.295
Yxy	36.2583, 0.2812, 0.5232
Android (android.graphics.Color)	4279483216 (0xFF13BB50)
YUV	124.5700, -21.9730, -92.5849
Hunter-Lab	60.2149, -47.6094, 28.7978

Details

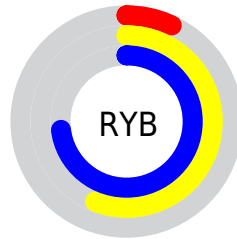
The XYZ color **19.4869, 36.2583, 13.5609** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.4936, 12.5377, 20.8701**, and the grayscale version is **19.4370, 20.4492, 22.2692**.

A 20% lighter version of the original color is **41.8824, 69.1340, 32.9666**, and **8.4609, 16.5864, 3.8542** is the 20% darker color. If you saturate the color by 10%, you get **18.8211, 35.9625, 11.4331**, and if you desaturate by 10%, it is **20.4876, 36.7198, 16.1132**.

Distribution



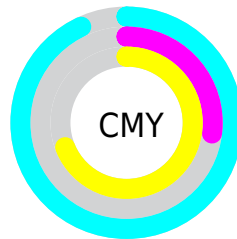
- Red (7%)
- Green (73%)
- Blue (31%)



- Red (7%)
- Yellow (56%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (57%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4869, 36.2583, 13.5609 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 19.4869, 36.2583, 13.5609 by changing the saturation by 10% instead.

■ 19.4869, 36.2583,
13.5609

■ 19.4869, 36.2583,
13.5609

242.0105,
330.0881, 225.8144

■ 12.1287, 24.6338,
7.6807

■ 42.0658, 69.4306,
33.0137

■ 6.9042, 15.8044,
3.8065

■ 58.0172, 91.7471,
47.4233

■ 3.4481, 9.3858,
1.5198

■ 77.5637, 118.3963,
65.5132

■ 1.3949, 4.9937,
0.2326

■ 101.0707,
149.7628, 87.7017

■ 0.2526, 2.2436,
0.0000

■ 128.9035,
186.2308, 114.4076

■ 0.0000, 0.7436,
0.0000

161.4276,

■ 0.0000, 0.0000,

228.1847, 146.0493

0.0000

199.0081,
276.0091, 183.0454

■ 19.4869, 36.2583,
13.5609

■ 19.4869, 36.2583,
13.5609

■ 18.8211, 35.9625,
11.4331

■ 20.4876, 36.7198,
16.1132

■ 18.8113, 35.9581,
11.4016

■ 21.9145, 37.3905,
19.1120

■ 23.8181, 38.2970,
22.5790

■ 26.2404, 39.4608,
26.5336

■ 29.2189, 40.9006,
30.9942

■ 32.7873, 42.6336,
35.9783

■ 36.9767, 44.6753,
41.5021

■ 41.8157, 47.0404,
47.5816

■ 47.3313, 49.7423,
54.2317

Harmonies

Analogous

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



25.9737, 36.2583, 5.6847



19.4869, 36.2583, 13.5609



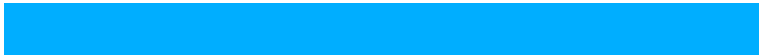
17.0029, 36.2583, 34.5836

Triad

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



19.4869, 36.2583, 13.5609



32.7077, 36.2583, 139.8924



58.1251, 36.2583, 18.3848

Complementary

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



19.4869, 36.2583, 13.5609



24.4936, 12.5377, 20.8701

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.



61.0252, 36.2583, 44.8161



19.4869, 36.2583, 13.5609



44.6244, 36.2583, 126.9123

Square

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



19.4869, 36.2583, 13.5609



23.4960, 36.2583, 116.0978



55.6319, 36.2583, 86.6682



48.3998, 36.2583, 7.2082

Rectangle

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



19.4869, 36.2583, 13.5609



17.4422, 36.2583, 58.3117



55.6319, 36.2583, 86.6682



60.0098, 36.2583, 25.2127

Sweetspot

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



19.4878, 36.2598, 13.5617



60.4167, 77.1796, 66.7191



26.8215, 40.1941, 6.9610



12.7754, 16.7386, 13.9779



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.4878, 36.2598, 13.5617



33.5862, 64.3570, 19.8750



24.5439, 38.2822, 40.1867



9.5481, 10.7054, 10.8698



12.9925, 24.7873, 8.0235



0.5406, 0.9836, 0.4813

Inverse Universe

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



24.4936, 12.5377, 20.8701



42.5611, 21.2644, 32.5615



21.1858, 11.2146, 3.4513



9.7789, 9.6359, 11.2249



16.4544, 8.2129, 12.9522



0.6749, 0.3338, 0.6671

Previews

White Background



This preview shows how the XYZ color 19.4869, 36.2583, 13.5609 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 19.4869, 36.2583, 13.5609 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 19.4869, 36.2583, 13.5609

Background



This preview shows how black text looks on a background with the XYZ color 19.4869, 36.2583, 13.5609.



This preview shows how white text looks on a background with the XYZ color 19.4869, 36.2583,

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

19.4869, 36.2583, 13.5609

Protanopia

32.5050, 35.5413, 11.2779

Deuteranopia

36.2204, 35.3741, 14.3700



Tritanopia

27.7212, 36.2642, 54.2538

Trichromacy



Original Color

19.4869, 36.2583, 13.5609



Protanomaly

23.5299, 33.3224, 11.8483



Deuteranomaly

24.6506, 32.4877, 13.7756



Tritanomaly

23.4018, 35.6567, 34.5032

Monochromacy



Original Color

19.4869, 36.2583, 13.5609



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.1880, 24.2624, 18.2452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4869, 36.2583, 13.5609 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(19, 187, 80)` looks like.

```
.text, #text, p{  
    color:rgb(19, 187, 80)  
}
```

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(19, 187, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 187, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.4869, 36.2583, 13.5609 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(19, 187, 80) }
```


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

```
.border{ border-color:rgb(19, 187, 80) }
```

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

Here you see how a box with a 4 pixel rgb(19, 187, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 187, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 187, 80);  
box-shadow:4px 4px 4px 4px rgb(19, 187,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4869, 36.2583, 13.5609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 187, 80) }
```

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

```
.background{ background-color: rgb(19, 187,  
80) }
```

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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