

Converting Colors

XYZ(19.4137, 36.3824, 13.5320)

Have a look what the booklet for
XYZ(19.4137, 36.3824, 13.5320)
contains.

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Color

**XYZ(19.5313, 36.5973,
13.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	08BC50
RGB	8, 188, 80
RGB Percent	3%, 74%, 31%
CMY	0.9686, 0.2627, 0.6863
CMYK	0.96, 0.00, 0.57, 0.26
HSL	144°, 92%, 38%
HSV	144°, 96%, 74%
XYZ	19.5313, 36.5973, 13.6240
YIQ	121.8680, -72.6120, -71.7480

Conversions

Conversions Part 2

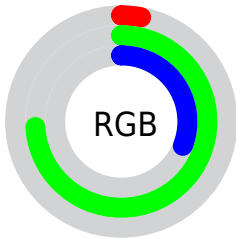
Format	Color
RYB	8, 137, 188
Decimal	572496
CIELab	66.97, -62.59, 43.02
CIELCh	67, 75.953, 145.496
Yxy	36.5973, 0.2800, 0.5247
Android (android.graphics.Color)	4278762576 (0xFF08BC50)
YUV	121.8680, -20.6409, -99.8622
Hunter-Lab	60.4957, -48.2380, 28.9945

Details

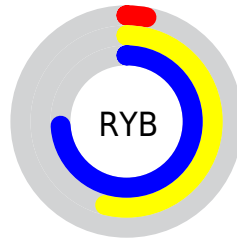
The XYZ color **19.5313, 36.5973, 13.6240** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.9792, 12.1265, 17.6001**, and the grayscale version is **18.5384, 19.5039, 21.2397**.

A 20% lighter version of the original color is **42.2662, 70.2301, 33.1579**, and **8.5971, 16.8589, 3.8996** is the 20% darker color. If you saturate the color by 10%, you get **19.2609, 36.4787, 12.7190**, and if you desaturate by 10%, it is **20.3313, 36.9585, 16.0238**.

Distribution



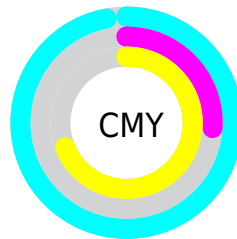
- Red (3%)
- Green (74%)
- Blue (31%)



- Red (3%)
- Yellow (54%)
- Blue (74%)



- Cyan (96%)
- Magenta (0%)
- Yellow (57%)
- Black (26%)





- Cyan (97%)
- Magenta (26%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5313, 36.5973, 13.6240 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 19.5313, 36.5973, 13.6240 by changing the saturation by 10% instead.


 19.5313, 36.5973,
13.6240


 19.5313, 36.5973,
13.6240


242.2486,
331.5638, 226.2255


 12.1611, 24.8959,
7.7239


 42.1399, 69.9530,
33.1278


 6.9265, 15.9995,
3.8335


 58.1091, 92.3760,
47.5686


 3.4621, 9.5238,
1.5345


 77.6752, 119.1417,
65.6934

 1.4026, 5.0844,
0.2434

 101.2037,
150.6345, 87.9206

 0.2581, 2.2969,
0.0000

 129.0599,
187.2386, 114.6689

 0.0000, 0.7720,
0.0000

161.6093,

 0.0000, 0.0000,

229.3386, 146.3568

0.0000

199.2170,
277.3189, 183.4028

■ 19.5313, 36.5973,
13.6240

■ 19.5313, 36.5973,
13.6240

■ 19.2609, 36.4787,
12.7190

■ 20.3313, 36.9585,
16.0238

■ 21.5191, 37.5101,
18.8233

■ 23.1529, 38.2828,
22.0419

■ 25.2786, 39.3000,
25.6967

■ 27.9364, 40.5819,
29.8038

■ 31.1617, 42.1467,
34.3785

■ 34.9872, 44.0109,
39.4352

■ 39.4427, 46.1895,
44.9877

■ 44.5562, 48.6967,
51.0493

Harmonies

Analogous

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



26.0907, 36.5973, 5.6282



19.5313, 36.5973, 13.6240



17.0388, 36.5973, 35.0689

Triad

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



19.5313, 36.5973, 13.6240



33.0731, 36.5973, 142.5200



58.8676, 36.5973, 18.2960

Complementary

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



19.5313, 36.5973, 13.6240



23.9792, 12.1265, 17.6001

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.



61.8854, 36.5973, 45.0432



19.5313, 36.5973, 13.6240



45.2227, 36.5973, 128.9762

Square

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



19.5313, 36.5973, 13.6240



23.6805, 36.5973, 118.3747



56.4305, 36.5973, 87.6984



48.9092, 36.5973, 7.0910

Rectangle

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



19.5313, 36.5973, 13.6240



17.5009, 36.5973, 59.3244



56.4305, 36.5973, 87.6984



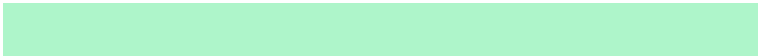
60.8094, 36.5973, 25.1827

Sweetspot

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



19.5322, 36.5988, 13.6248



60.6898, 78.4345, 67.9454



25.2306, 39.6986, 6.5626



12.4235, 16.5613, 13.7770



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.



19.5322, 36.5988, 13.6248



34.7929, 66.0642, 22.4539



25.3401, 38.9220, 44.2089



9.5626, 10.7112, 10.9463



13.1479, 24.8494, 8.8415



0.5474, 0.9863, 0.5171

Inverse Universe

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



23.9792, 12.1265, 17.6001



42.8433, 21.4793, 29.4414



21.0132, 10.9401, 1.9815



9.7640, 9.6299, 11.1460



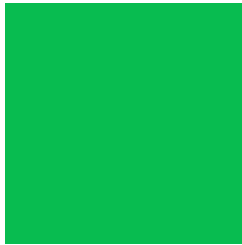
16.1794, 8.1029, 11.5041



0.6652, 0.3300, 0.6164

Previews

White Background



This preview shows how the XYZ color 19.5313, 36.5973, 13.6240 looks on a white background.

Color Contrast Check

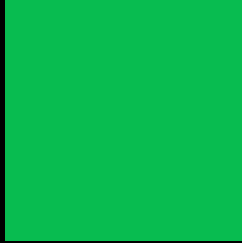
Large Text (above 18pt) WCAG AA × Fail

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 19.5313, 36.5973, 13.6240 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 19.5313, 36.5973, 13.6240

Background



This preview shows how black text looks on a background with the XYZ color 19.5313, 36.5973, 13.6240.



This preview shows how white text looks on a background with the XYZ color 19.5313, 36.5973,

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

19.5313, 36.5973, 13.6240

Protanopia

32.9124, 36.0118, 11.3472

Deuteranopia

36.3847, 35.7028, 14.4248



Tritanopia

27.9502, 36.6617, 54.8935

Trichromacy



Original Color

19.5313, 36.5973, 13.6240



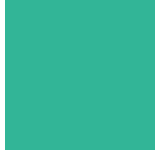
Protanomaly

23.1690, 33.4157, 11.8854



Deuteranomaly

24.2180, 32.5335, 13.8073



Tritanomaly

23.4252, 35.9602, 34.9845

Monochromacy



Original Color

19.5313, 36.5973, 13.6240



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.3261, 23.3686, 17.5600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5313, 36.5973, 13.6240 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(8, 188, 80)` looks like.

```
.text, #text, p{  
    color:rgb(8, 188, 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(8, 188, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 188, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.5313, 36.5973, 13.6240 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(8, 188, 80) }
```


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

```
.border{ border-color:rgb(8, 188, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 188, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 188, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 188, 80);  
box-shadow:4px 4px 4px 4px rgb(8, 188, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5313, 36.5973, 13.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 188, 80) }
```

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

```
.background{ background-color: rgb(8, 188,  
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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