

Converting Colors

XYZ(19.3531, 35.3180, 10.4997)

Have a look what the booklet for
XYZ(19.3531, 35.3180, 10.4997)
contains.

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Color

**XYZ(19.3531, 35.3180,
10.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	32B83F
RGB	50, 184, 63
RGB Percent	20%, 72%, 25%
CMY	0.8039, 0.2784, 0.7529
CMYK	0.73, 0.00, 0.66, 0.28
HSL	126°, 57%, 46%
HSV	126°, 73%, 72%
XYZ	19.3531, 35.3180, 10.4997
YIQ	130.1400, -41.0230, -66.0390

Conversions

Conversions Part 2

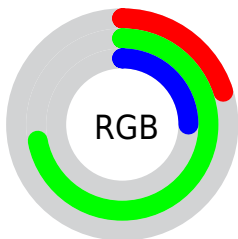
Format	Color
RYB	50, 172, 184
Decimal	3323967
CIELab	66.00, -59.28, 49.66
CIELCh	66, 77.327, 140.046
Yxy	35.3180, 0.2970, 0.5419
Android (android.graphics.Color)	4281514047 (0xFF32B83F)
YUV	130.1400, -33.1000, -70.2828
Hunter-Lab	59.4289, -45.8719, 31.1251

Details

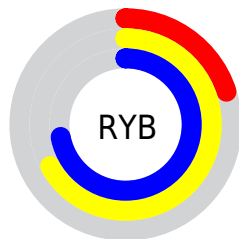
The XYZ color **19.3531, 35.3180, 10.4997** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **28.2593, 15.4123, 40.0135**, and the grayscale version is **21.3924, 22.5065, 24.5096**.

A 20% lighter version of the original color is **41.8101, 67.8846, 27.4224**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **18.2254, 34.7835, 8.3785**, and if you desaturate by 10%, it is **20.9871, 36.0994, 13.3775**.

Distribution



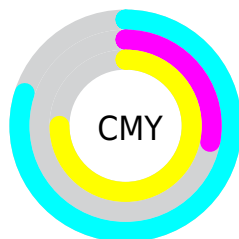
- Red (20%)
- Green (72%)
- Blue (25%)



- Red (20%)
- Yellow (67%)
- Blue (72%)



- Cyan (73%)
- Magenta (0%)
- Yellow (66%)
- Black (28%)



- Cyan (80%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3531, 35.3180, 10.4997 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 19.3531, 35.3180, 10.4997 by changing the saturation by 10% instead.

■ 19.3531, 35.3180,
10.4997

■ 19.3531, 35.3180,
10.4997

241.2921,
325.9697, 204.8149

■ 12.0312, 23.9079,
5.6216

■ 41.8422, 67.9781,
27.3536

■ 6.8373, 15.2653,
2.5513

■ 57.7401, 89.9969,
40.1665

■ 3.4060, 9.0058,
0.8672

■ 77.2274, 116.3208,
56.4614

■ 1.3719, 4.7450,
0.0000

■ 100.6694,
147.3341, 76.6568

■ 0.2361, 2.0984,
0.0000

■ 128.4315,
183.4213, 101.1714

■ 0.0000, 0.6637,
0.0000

160.8791,

■ 0.0000, 0.0000,

224.9667, 130.4235

0.0000

198.3775,
272.3547, 164.8319

■ 19.3531, 35.3180,
10.4997

■ 19.3531, 35.3180,
10.4997

■ 18.2254, 34.7835,
8.3785

■ 20.9871, 36.0994,
13.3775

■ 17.5416, 34.4621,
6.9406

■ 23.1753, 37.1479,
17.0716

■ 17.2492, 34.3256,
6.2825

■ 25.9627, 38.4867,
21.6384

■ 29.3893, 40.1352,
27.1286

■ 33.4913, 42.1112,
33.5891

■ 38.3024, 44.4309,
41.0635

■ 43.8540, 47.1098,
49.5929

■ 50.1754, 50.1622,
59.2160

■ 57.2947, 53.6017,
69.9697

Harmonies

Analogous

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



26.5685, 35.3180, 4.4187



19.3531, 35.3180, 10.4997



16.2076, 35.3180, 28.5461

Triad

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



19.3531, 35.3180, 10.4997



29.9021, 35.3180, 140.1049



58.8132, 35.3180, 20.6276

Complementary

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



19.3531, 35.3180, 10.4997



28.2593, 15.4123, 40.0135

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.



60.2831, 35.3180, 50.4273



19.3531, 35.3180, 10.4997



41.7016, 35.3180, 133.4124

Square

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



19.3531, 35.3180, 10.4997



21.3142, 35.3180, 109.9430



53.4497, 35.3180, 94.8787



49.7993, 35.3180, 7.5308

Rectangle

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



19.3531, 35.3180, 10.4997



16.2114, 35.3180, 50.5460



53.4497, 35.3180, 94.8787



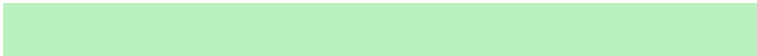
60.2741, 35.3180, 28.4650

Sweetspot

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



19.3539, 35.3195, 10.5005



61.0807, 76.5137, 61.4668



34.9144, 43.3783, 9.5504



12.7077, 16.2731, 12.5308



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.



19.3539, 35.3195, 10.5005



32.2481, 62.6800, 13.5769



22.3640, 36.5235, 26.3515



8.9248, 10.0739, 9.7615



11.9000, 23.6609, 4.3953



0.4314, 0.8388, 0.2173

Inverse Universe

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



28.2593, 15.4123, 40.0135



49.1749, 24.6001, 69.4949



23.5016, 13.5092, 14.9596



9.3423, 9.1473, 11.1502



18.3907, 8.9300, 25.7418



0.6593, 0.3192, 0.9652

Previews

White Background



This preview shows how the XYZ color 19.3531, 35.3180, 10.4997 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 19.3531, 35.3180, 10.4997 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 19.3531, 35.3180, 10.4997

Background



This preview shows how black text looks on a background with the XYZ color 19.3531, 35.3180, 10.4997.



This preview shows how white text looks on a background with the XYZ color 19.3531, 35.3180,

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

19.3531, 35.3180, 10.4997

Protanopia

31.4720, 34.5468, 8.7508

Deuteranopia

35.2952, 34.4846, 11.0993



Tritanopia

27.5459, 35.0765, 51.7730

Trichromacy



Original Color

19.3531, 35.3180, 10.4997



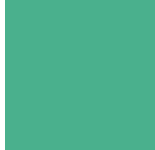
Protanomaly

24.1521, 33.1463, 9.2626



Deuteranomaly

25.6730, 32.5533, 10.5605



Tritanomaly

23.1571, 34.4296, 30.6244

Monochromacy



Original Color

19.3531, 35.3180, 10.4997



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.8747, 25.6200, 17.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3531, 35.3180, 10.4997 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(50, 184, 63)` looks like.

```
.text, #text, p{  
    color:rgb(50, 184, 63)  
}
```

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(50, 184, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 184, 63) }
```

Border

The CSS property to change the border of an element to XYZ 19.3531, 35.3180, 10.4997 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(50, 184, 63) }
```


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

```
.border{ border-color:rgb(50, 184, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 184, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 184, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 184, 63);  
box-shadow:4px 4px 4px 4px rgb(50, 184,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3531, 35.3180, 10.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 184, 63) }
```

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

```
.background{ background-color: rgb(50, 184,  
63) }
```

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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