

Converting Colors

XYZ(18.4000, 33.6448, 15.8606)

Have a look what the booklet for
XYZ(18.4000, 33.6448, 15.8606)
contains.

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Color

**XYZ(18.4997, 33.8381,
15.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	00B55D
RGB	0, 181, 93
RGB Percent	0%, 71%, 36%
CMY	1.0000, 0.2902, 0.6353
CMYK	1.00, 0.00, 0.49, 0.29
HSL	151°, 100%, 35%
HSV	151°, 100%, 71%
XYZ	18.4997, 33.8381, 15.9123
YIQ	116.8490, -79.6280, -65.7400

Conversions

Conversions Part 2

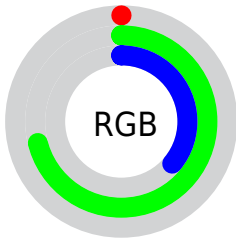
Format	Color
RYB	0, 120, 181
Decimal	46429
CIELab	64.83, -58.66, 34.02
CIELCh	65, 67.810, 149.886
Yxy	33.8381, 0.2711, 0.4958
Android (android.graphics.Color)	4278236509 (0xFF00B55D)
YUV	116.8490, -11.7576, -102.4766
Hunter-Lab	58.1705, -45.0309, 24.5008

Details

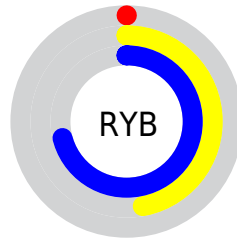
The XYZ color **18.4997, 33.8381, 15.9123** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.8188, 10.5291, 10.1701**, and the grayscale version is **16.9162, 17.7971, 19.3811**.

A 20% lighter version of the original color is **40.4047, 65.6263, 37.3257**, and **7.9155, 15.1036, 4.8810** is the 20% darker color. If you saturate the color by 10%, you get **18.5002, 33.8393, 15.9118**, and if you desaturate by 10%, it is **19.1646, 34.1341, 18.0977**.

Distribution



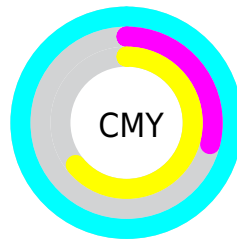
- Red (0%)
- Green (71%)
- Blue (36%)



- Red (0%)
- Yellow (47%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4997, 33.8381, 15.9123 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 18.4997, 33.8381, 15.9123 by changing the saturation by 10% instead.


 18.4997, 33.8381,
15.9123


 18.4997, 33.8381,
15.9123


236.6642,
319.4095, 240.6517


 11.4112, 22.7693,
9.3084


 40.4104, 65.6818,
37.2106


 6.4134, 14.4232,
4.8434


 55.9633, 87.2255,
52.7420

 3.1411, 8.4156,
2.0985


 75.0685, 113.0295,
72.0864

 1.2288, 4.3620,
0.6149

 98.0911, 143.4784,
95.6624

 0.1289, 1.8781,
0.0000

 125.3967,
178.9564, 123.8883

 0.0000, 0.5351,
0.0000

 157.3504,

 0.0000, 0.0000,

219.8480, 157.1828

0.0000

194.3179,
266.5376, 195.9644

■ 18.4997, 33.8381,
15.9123

■ 18.4997, 33.8381,
15.9123

■ 18.5002, 33.8393,
15.9118

■ 19.1646, 34.1341,
18.0977

■ 20.1069, 34.5669,
20.5371

■ 21.4167, 35.1836,
23.2426

■ 23.1376, 36.0066,
26.2233

■ 25.3067, 37.0548,
29.4874

■ 27.9569, 38.3450,
33.0429

■ 31.1176, 39.8924,
36.8974

■ 34.8161, 41.7108,
41.0579

■ 39.0775, 43.8130,
45.5316

Harmonies

Analogous

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



23.6835, 33.8381, 7.1202



18.4997, 33.8381, 15.9123



16.8015, 33.8381, 36.7367

Triad

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



18.4997, 33.8381, 15.9123



32.1246, 33.8381, 121.0328



51.3449, 33.8381, 16.0188

Complementary

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



18.4997, 33.8381, 15.9123



20.8188, 10.5291, 10.1701

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.



54.8318, 33.8381, 36.9514



18.4997, 33.8381, 15.9123



42.4553, 33.8381, 105.9074

Square

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



18.4997, 33.8381, 15.9123



23.6306, 33.8381, 105.6905



51.2937, 33.8381, 70.9492



42.5335, 33.8381, 7.1561

Rectangle

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



18.4997, 33.8381, 15.9123



17.5383, 33.8381, 58.3309



51.2937, 33.8381, 70.9492



53.2495, 33.8381, 21.4117

Sweetspot

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



18.5005, 33.8395, 15.9131



55.4191, 71.2917, 65.7167



20.7905, 35.2482, 5.7081



11.4505, 15.1501, 13.5734



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.



18.5005, 33.8395, 15.9131



33.0166, 60.5569, 27.8884



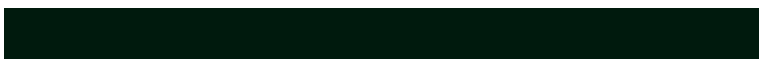
24.8655, 36.3854, 49.4303



8.5651, 9.5605, 9.9696



12.7883, 23.3413, 11.1541



0.4317, 0.7462, 0.5055

Inverse Universe

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



20.8188, 10.5291, 10.1701



37.1700, 18.8106, 17.6109



19.0570, 9.8244, 0.8922



8.6628, 8.5718, 9.7226



14.3861, 7.2720, 7.1932



0.4822, 0.2406, 0.3818

Previews

White Background



This preview shows how the XYZ color 18.4997, 33.8381, 15.9123 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 18.4997, 33.8381, 15.9123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

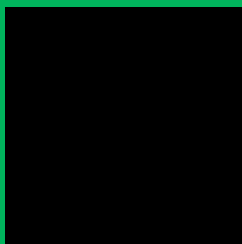
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4997, 33.8381, 15.9123

Background



This preview shows how black text looks on a background with the XYZ color 18.4997, 33.8381, 15.9123.



This preview shows how white text looks on a background with the XYZ color 18.4997, 33.8381,

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

18.4997, 33.8381, 15.9123

Protanopia

30.5020, 33.1877, 13.1857

Deuteranopia

33.8354, 33.1258, 16.9225



Tritanopia

25.7741, 33.8938, 51.0827

Trichromacy



Original Color

18.4997, 33.8381, 15.9123



Protanomaly

21.4821, 30.8496, 13.8392



Deuteranomaly

22.6952, 30.3646, 16.2201



Tritanomaly

22.0362, 33.4624, 35.0032

Monochromacy



Original Color

18.4997, 33.8381, 15.9123



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.9089, 21.2947, 17.5119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4997, 33.8381, 15.9123 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(0, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 93)  
}
```

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(0, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 93) }
```

Border

The CSS property to change the border of an element to XYZ 18.4997, 33.8381, 15.9123 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(0, 181, 93) }
```


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

```
.border{ border-color:rgb(0, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4997, 33.8381, 15.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 93) }
```

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

```
.background{ background-color: rgb(0, 181,  
93) }
```

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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