

Converting Colors

XYZ(18.2116, 33.0586, 10.4707)

Have a look what the booklet for
XYZ(18.2116, 33.0586, 10.4707)
contains.

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Color

**XYZ(18.2932, 33.2502,
10.4548)**

Conversions

Conversions Part 1

Format	Color
Hex	30B341
RGB	48, 179, 65
RGB Percent	19%, 70%, 25%
CMY	0.8118, 0.2980, 0.7451
CMYK	0.73, 0.00, 0.64, 0.30
HSL	128°, 58%, 45%
HSV	128°, 73%, 70%
XYZ	18.2932, 33.2502, 10.4548
YIQ	126.8350, -41.4820, -63.2260

Conversions

Conversions Part 2

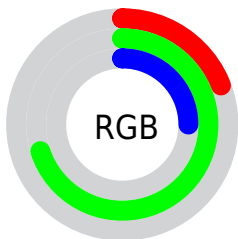
Format	Color
RYB	48, 164, 179
Decimal	3191617
CIELab	64.36, -57.71, 46.97
CIELCh	64, 74.411, 140.856
Yxy	33.2502, 0.2951, 0.5363
Android (android.graphics.Color)	4281381697 (0xFF30B341)
YUV	126.8350, -30.4847, -69.1383
Hunter-Lab	57.6630, -44.2823, 29.6143

Details

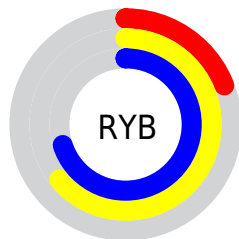
The XYZ color **18.2932, 33.2502, 10.4548** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **26.1700, 14.3069, 35.5656**, and the grayscale version is **20.2285, 21.2820, 23.1761**.

A 20% lighter version of the original color is **40.1458, 64.8527, 27.2315**, and **7.3610, 14.6782, 2.5888** is the 20% darker color. If you saturate the color by 10%, you get **17.2225, 32.7444, 8.3657**, and if you desaturate by 10%, it is **19.8305, 33.9841, 13.2168**.

Distribution



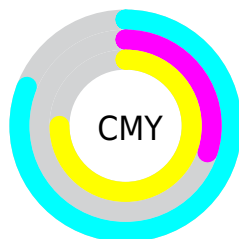
- Red (19%)
- Green (70%)
- Blue (25%)



- Red (19%)
- Yellow (64%)
- Blue (70%)



- Cyan (73%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)





- Cyan (81%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2932, 33.2502, 10.4548 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 18.2932, 33.2502, 10.4548 by changing the saturation by 10% instead.


 18.2932, 33.2502,
10.4548


 18.2932, 33.2502,
10.4548


235.5323,
316.7756, 204.4893


 11.2617, 22.3182,
5.5920


 40.0625, 64.7660,
27.2686


 6.3117, 14.0909,
2.5339


 55.5309, 86.1185,
40.0566


 3.0780, 8.1839,
0.8580


 74.5424, 111.7133,
56.3235

 1.1951, 4.2128,
0.0000

 97.4622, 141.9348,
76.4877

 0.1025, 1.7933,
0.0000

 124.6557,
177.1674, 100.9679

 0.0000, 0.4830,
0.0000

156.4884,

 0.0000, 0.0000,

217.7955, 130.1825

0.0000

193.3254,
264.2034, 164.5501

■ 18.2932, 33.2502,
10.4548

■ 18.2932, 33.2502,
10.4548

■ 17.2225, 32.7444,
8.3657

■ 19.8305, 33.9841,
13.2168

■ 16.5617, 32.4357,
6.8898

■ 21.8779, 34.9646,
16.7003

■ 16.2777, 32.3042,
6.2002

■ 24.4766, 36.2129,
20.9518

■ 27.6628, 37.7467,
26.0135

■ 31.4697, 39.5823,
31.9243

■ 35.9279, 41.7348,
38.7209

■ 41.0661, 44.2182,
46.4376

■ 46.9111, 47.0456,
55.1068

■ 53.4885, 50.2295,
64.7596

Harmonies

Analogous

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



24.8929, 33.2502, 4.4753



18.2932, 33.2502, 10.4548



15.4586, 33.2502, 27.7026

Triad

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



18.2932, 33.2502, 10.4548



28.4758, 33.2502, 129.7215



54.7119, 33.2502, 19.1553

Complementary

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



18.2932, 33.2502, 10.4548



26.1700, 14.3069, 35.5656

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.



56.2773, 33.2502, 46.2873



18.2932, 33.2502, 10.4548



39.4228, 33.2502, 122.6416

Square

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



18.2932, 33.2502, 10.4548



20.4110, 33.2502, 102.8985



50.1766, 33.2502, 86.9195



46.2827, 33.2502, 7.1922

Rectangle

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



18.2932, 33.2502, 10.4548



15.5242, 33.2502, 48.3376



50.1766, 33.2502, 86.9195



56.1223, 33.2502, 26.2922

Sweetspot

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



18.2940, 33.2516, 10.4556



56.9631, 71.1797, 58.1016



31.9063, 40.3176, 8.8970



12.1863, 15.5605, 12.2045



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.



18.2940, 33.2516, 10.4556



30.0194, 58.2557, 13.1952



21.2880, 34.4492, 26.2218



8.4324, 9.5075, 9.2706



11.5162, 22.8325, 4.4553



0.3765, 0.7241, 0.2149

Inverse Universe

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



26.1700, 14.3069, 35.5656



44.7924, 22.4217, 60.0727



21.8632, 12.5842, 12.8863



8.8016, 8.6274, 10.4538



17.3805, 8.4697, 22.9613



0.5600, 0.2718, 0.7917

Previews

White Background



This preview shows how the XYZ color 18.2932, 33.2502, 10.4548 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 18.2932, 33.2502, 10.4548 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 18.2932, 33.2502, 10.4548

Background



This preview shows how black text looks on a background with the XYZ color 18.2932, 33.2502, 10.4548.



This preview shows how white text looks on a background with the XYZ color 18.2932, 33.2502,

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

18.2932, 33.2502, 10.4548

Protanopia

29.7186, 32.6324, 8.7353

Deuteranopia

33.1896, 32.4518, 11.1712



Tritanopia

25.9993, 33.2263, 48.7591

Trichromacy



Original Color

18.2932, 33.2502, 10.4548



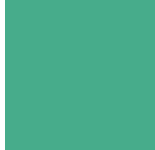
Protanomaly

23.0199, 31.4770, 9.2773



Deuteranomaly

24.1829, 30.7402, 10.6201



Tritanomaly

22.0113, 32.7087, 29.5794

Monochromacy



Original Color

18.2932, 33.2502, 10.4548



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.8146, 24.1539, 16.8199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2932, 33.2502, 10.4548 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(48, 179, 65)` looks like.

```
.text, #text, p{  
    color:rgb(48, 179, 65)  
}
```

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(48, 179, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 179, 65) }
```

Border

The CSS property to change the border of an element to XYZ 18.2932, 33.2502, 10.4548 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(48, 179, 65) }
```


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

```
.border{ border-color:rgb(48, 179, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 179, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 179, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 179, 65);  
box-shadow:4px 4px 4px 4px rgb(48, 179,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2932, 33.2502, 10.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 179, 65) }
```

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

```
.background{ background-color: rgb(48, 179,  
65) }
```

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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