

Converting Colors

XYZ(19.3409, 33.0958, 15.1255)

Have a look what the booklet for
XYZ(19.3409, 33.0958, 15.1255)
contains.

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Color

**XYZ(19.3125, 33.0820,
15.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	3AB15A
RGB	58, 177, 90
RGB Percent	23%, 69%, 35%
CMY	0.7725, 0.3059, 0.6470
CMYK	0.67, 0.00, 0.49, 0.31
HSL	136°, 51%, 46%
HSV	136°, 67%, 69%
XYZ	19.3125, 33.0820, 15.0405
YIQ	131.5010, -42.9970, -52.2850

Conversions

Conversions Part 2

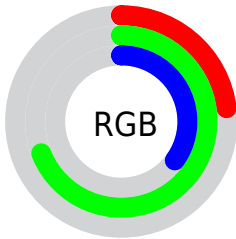
Format	Color
RYB	58, 152, 177
Decimal	3846490
CIELab	64.23, -51.86, 34.94
CIElCh	64, 62.530, 146.033
Yxy	33.0820, 0.2864, 0.4906
Android (android.graphics.Color)	4282036570 (0xFF3AB15A)
YUV	131.5010, -20.4600, -64.4604
Hunter-Lab	57.5170, -40.7196, 24.7577

Details

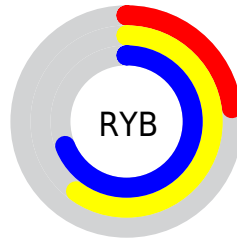
The XYZ color **19.3125, 33.0820, 15.0405** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.7562, 14.4181, 28.2668**, and the grayscale version is **21.8355, 22.9727, 25.0172**.

A 20% lighter version of the original color is **41.9131, 64.7206, 35.8745**, and **7.4832, 14.3260, 4.4686** is the 20% darker color. If you saturate the color by 10%, you get **17.9513, 32.4394, 12.3480**, and if you desaturate by 10%, it is **21.1249, 33.9480, 18.2562**.

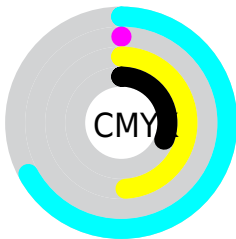
Distribution



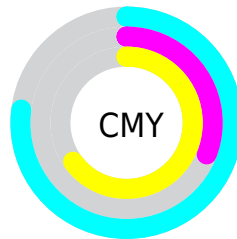
- Red (23%)
- Green (69%)
- Blue (35%)



- Red (23%)
- Yellow (60%)
- Blue (69%)



- Cyan (67%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)





- Cyan (77%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3125, 33.0820, 15.0405 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 19.3125, 33.0820, 15.0405 by changing the saturation by 10% instead.


 19.3125, 33.0820,
15.0405


 19.3125, 33.0820,
15.0405


241.0737,
316.0191, 235.2604


 12.0016, 22.1893,
8.7009


 41.7743, 64.5035,
35.6675


 6.8170, 13.9960,
4.4525


 57.6559, 85.8011,
50.7920


 3.3932, 8.1179,
1.8767


 77.1252, 111.3358,
69.6818

 1.3650, 4.1705,
0.4778

 100.5475,
141.4919, 92.7556

 0.2311, 1.7694,
0.0000

 128.2881,
176.6539, 120.4318

 0.0000, 0.4680,
0.0000

160.7125,

 0.0000, 0.0000,

217.2062, 153.1290

0.0000

198.1859,
263.5331, 191.2657

■ 19.3125, 33.0820,
15.0405

■ 19.3125, 33.0820,
15.0405

■ 17.9513, 32.4394,
12.3480

■ 21.1249, 33.9480,
18.2562

■ 16.9959, 31.9946,
10.1485

■ 23.4233, 35.0520,
22.0186

■ 16.3857, 31.7178,
8.4115

■ 26.2419, 36.4120,
26.3526

■ 16.2480, 31.6557,
8.0069

■ 29.6108, 38.0431,
31.2809

■ 33.5580, 39.9593,
36.8247

■ 38.1093, 42.1736,
43.0044

■ 43.2893, 44.6980,
49.8393

■ 49.1208, 47.5441,
57.3481

■ 55.6257, 50.7228,
65.5486

Harmonies

Analogous

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



24.5357, 33.0820, 7.5421



19.3125, 33.0820, 15.0405



17.3123, 33.0820, 32.7457

Triad

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



19.3125, 33.0820, 15.0405



30.2781, 33.0820, 110.0345



49.3949, 33.0820, 18.5534

Complementary

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



19.3125, 33.0820, 15.0405



24.7562, 14.4181, 28.2668

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.



51.7137, 33.0820, 39.5071



19.3125, 33.0820, 15.0405



39.5394, 33.0820, 100.1577

Square

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



19.3125, 33.0820, 15.0405



22.8438, 33.0820, 93.6225



47.8174, 33.0820, 70.7878



41.9687, 33.0820, 8.7977

Rectangle

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



19.3125, 33.0820, 15.0405



17.7339, 33.0820, 51.2671



47.8174, 33.0820, 70.7878



50.8510, 33.0820, 24.1432

Sweetspot

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



19.3133, 33.0834, 15.0413



57.7867, 70.4397, 62.7413



28.2111, 37.7953, 9.8114



12.1005, 15.0601, 13.0043



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.3133, 33.0834, 15.0413



31.1819, 57.6434, 19.9776



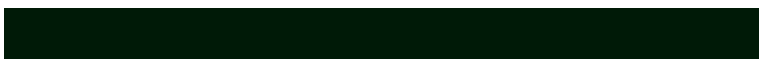
22.9114, 34.5226, 33.9886



8.4797, 9.5264, 9.5199



11.7940, 22.9436, 5.9180



0.3960, 0.7319, 0.3173

Inverse Universe

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



24.7562, 14.4181, 28.2668



41.5473, 21.7878, 44.9342



21.3157, 13.0418, 10.1490



8.7505, 8.6069, 10.1848



16.0535, 7.9389, 15.9734



0.5279, 0.2589, 0.6224

Previews

White Background



This preview shows how the XYZ color 19.3125, 33.0820, 15.0405 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 19.3125, 33.0820, 15.0405 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 19.3125, 33.0820, 15.0405

Background



This preview shows how black text looks on a background with the XYZ color 19.3125, 33.0820, 15.0405.



This preview shows how white text looks on a background with the XYZ color 19.3125, 33.0820,

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

19.3125, 33.0820, 15.0405

Protanopia

29.8219, 32.5979, 12.7029

Deuteranopia

32.9973, 32.4820, 15.8398



Tritanopia

25.8947, 32.9112, 48.1677

Trichromacy



Original Color

19.3125, 33.0820, 15.0405

Protanomaly

23.7901, 31.5174, 13.4239

Deuteranomaly

25.0660, 31.0934, 15.2702

Tritanomaly

22.8099, 32.7689, 32.7266

Monochromacy



Original Color

19.3125, 33.0820, 15.0405

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

19.6265, 25.4674, 20.7109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3125, 33.0820, 15.0405 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(58, 177, 90)` looks like.

```
.text, #text, p{  
    color:rgb(58, 177, 90)  
}
```

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(58, 177, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 177, 90) }
```

Border

The CSS property to change the border of an element to XYZ 19.3125, 33.0820, 15.0405 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(58, 177, 90) }
```


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

```
.border{ border-color:rgb(58, 177, 90) }
```

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

Here you see how a box with a 4 pixel rgb(58, 177, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 177, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 177, 90);  
box-shadow:4px 4px 4px 4px rgb(58, 177,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3125, 33.0820, 15.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 177, 90) }
```

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

```
.background{ background-color: rgb(58, 177,  
90) }
```

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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