

Converting Colors

XYZ(18.2518, 22.2436, 3.3315)

Have a look what the booklet for
XYZ(18.2518, 22.2436, 3.3315)
contains.

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Color

**XYZ(18.3368, 22.3145,
3.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	858700
RGB	133, 135, 0
RGB Percent	52%, 53%, 0%
CMY	0.4784, 0.4706, 1.0000
CMYK	0.01, 0.00, 1.00, 0.47
HSL	61°, 100%, 26%
HSV	61°, 100%, 53%
XYZ	18.3368, 22.3145, 3.3407
YIQ	119.0120, 42.1430, -42.4090

Conversions

Conversions Part 2

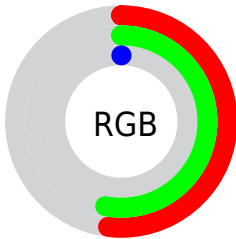
Format	Color
RYB	0, 135, 2
Decimal	8750848
CIELab	54.36, -14.36, 58.70
CIELCh	54, 60.428, 103.748
Yxy	22.3145, 0.4168, 0.5072
Android (android.graphics.Color)	4286940928 (0xFF858700)
YUV	119.0120, -58.6729, 12.2675
Hunter-Lab	47.2382, -13.3773, 28.8738

Details

The XYZ color **18.3368, 22.3145, 3.3407** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.3988, 1.7626, 23.0315**, and the grayscale version is **17.7099, 18.6322, 20.2904**.

A 20% lighter version of the original color is **40.2618, 47.3309, 12.4826**, and **6.6361, 8.3611, 1.2641** is the 20% darker color. If you saturate the color by 10%, you get **18.3372, 22.3155, 3.3408**, and if you desaturate by 10%, it is **18.4449, 22.3622, 3.7425**.

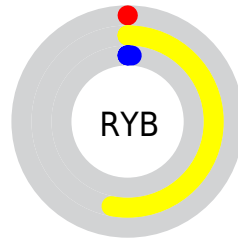
Distribution



Red (52%)

Green (53%)

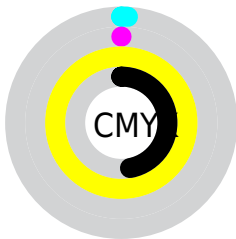
Blue (0%)



Red (0%)

Yellow (53%)

Blue (1%)

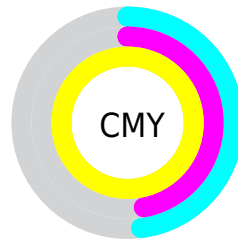


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (48%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3368, 22.3145, 3.3407 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 18.3368, 22.3145, 3.3407 by changing the saturation by 10% instead.

■ 18.3368, 22.3145,
3.3407

■ 18.3368, 22.3145,
3.3407

235.7717,
264.1843, 140.5882

■ 11.2932, 14.0882,
1.2711

■ 40.1360, 47.2652,
12.4582

■ 6.3332, 8.1820,
0.0379

■ 55.6223, 64.7585,
20.3431

■ 3.0913, 4.2116,
0.0000

■ 74.6536, 86.1094,
31.0036

■ 1.2022, 1.7926,
0.0000

■ 97.5952, 111.7025,
44.8582


■ 0.1081, 0.4826,
0.0000


■ 124.8124,
141.9222, 62.3254


■ 0.0000, 0.0000,
0.0000


■ 156.6707,


177.1528, 83.8238


 193.5353,
217.7787, 109.7719


 18.3368, 22.3145,
3.3407


 18.3368, 22.3145,
3.3407


 18.3372, 22.3155,
3.3408

 18.4449, 22.3622,
3.7425

 18.5986, 22.4274,
4.3863

 18.8243, 22.5213,
5.4083

 19.1305, 22.6475,
6.8546

 19.5249, 22.8089,
8.7647

■ 20.0140, 23.0083,
11.1733

■ 20.6038, 23.2479,
14.1122

■ 21.3000, 23.5301,
17.6103

■ 22.1074, 23.8568,
21.6945

Harmonies

Analogous

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



24.9590, 22.3145, 3.4513



18.3368, 22.3145, 3.3407



13.5950, 22.3145, 6.3737

Triad

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



18.3368, 22.3145, 3.3407



13.3057, 22.3145, 59.0449



35.8575, 22.3145, 35.9411

Complementary

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



18.3368, 22.3145, 3.3407



4.3988, 1.7626, 23.0315

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.



31.2393, 22.3145, 61.0970



18.3368, 22.3145, 3.3407



17.8552, 22.3145, 78.4824

Square

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



18.3368, 22.3145, 3.3407



11.1241, 22.3145, 33.9871



24.3671, 22.3145, 79.3835



36.0614, 22.3145, 16.6492

Rectangle

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



18.3368, 22.3145, 3.3407



11.7497, 22.3145, 11.5150



24.3671, 22.3145, 79.3835



34.7326, 22.3145, 44.1559

Sweetspot

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



18.3373, 22.3155, 3.3412



36.8175, 41.5984, 24.8819



9.9925, 5.1515, 0.4680



8.4328, 9.5957, 5.2943



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.3373, 22.3155, 3.3412



32.8237, 39.9538, 5.9819



11.0143, 18.5404, 2.9984



5.0331, 5.4196, 5.0102



16.9092, 20.5770, 3.0805



0.0591, 0.0716, 0.0107

Inverse Universe

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



4.3988, 1.7626, 23.0315



7.8642, 3.1495, 41.2418



6.7232, 2.9609, 23.1403



4.4404, 4.5476, 5.8445



4.0568, 1.6255, 21.2366



0.0144, 0.0058, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.3368, 22.3145, 3.3407 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3368, 22.3145, 3.3407 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 × Fail

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

XYZ 18.3368, 22.3145, 3.3407

Background



This preview shows how black text looks on a background with the XYZ color 18.3368, 22.3145, 3.3407.



This preview shows how white text looks on a background with the XYZ color 18.3368, 22.3145,

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

18.3368, 22.3145, 3.3407

Protanopia

20.0153, 22.1683, 3.2240

Deuteranopia

22.5282, 22.1126, 3.7903



Tritanopia

22.8621, 22.1673, 25.9954

Trichromacy



Original Color

18.3368, 22.3145, 3.3407

Protanomaly

19.4066, 22.2533, 3.2725

Deuteranomaly

20.7989, 21.9801, 3.5271

Tritanomaly

20.1774, 21.8614, 11.9603

Monochromacy



Original Color

18.3368, 22.3145, 3.3407

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9503, 19.4741, 9.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3368, 22.3145, 3.3407 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(133, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 0)  
}
```

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(133, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3368, 22.3145, 3.3407 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(133, 135, 0) }
```


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

```
.border{ border-color:rgb(133, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3368, 22.3145, 3.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 135, 0) }
```

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

```
.background{ background-color: rgb(133,  
135, 0) }
```

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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