

Converting Colors

XYZ(12.8361, 19.1514, 0.0000)

Have a look what the booklet for
XYZ(12.8361, 19.1514, 0.0000)
contains.

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Color

**XYZ(13.4245, 19.3717,
3.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	628500
RGB	98, 133, 0
RGB Percent	38%, 52%, 0%
CMY	0.6157, 0.4784, 1.0000
CMYK	0.26, 0.00, 1.00, 0.48
HSL	76°, 100%, 26%
HSV	76°, 100%, 52%
XYZ	13.4245, 19.3717, 3.0316
YIQ	107.3730, 21.8330, -48.7830

Conversions

Conversions Part 2

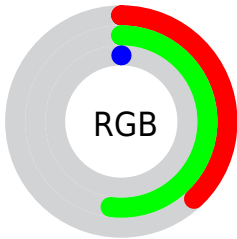
Format	Color
RYB	0, 133, 35
Decimal	6456576
CIELab	51.12, -28.92, 55.11
CIElCh	51, 62.232, 117.689
Yxy	19.3717, 0.3747, 0.5407
Android (android.graphics.Color)	4284646656 (0xFF628500)
YUV	107.3730, -52.9349, -8.2201
Hunter-Lab	44.0133, -22.5790, 26.7255

Details

The XYZ color **13.4245, 19.3717, 3.0316** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.9276, 2.0513, 22.3277**, and the grayscale version is **14.2180, 14.9585, 16.2898**.

A 20% lighter version of the original color is **31.6791, 42.2835, 11.6461**, and **4.2200, 6.7674, 1.0838** is the 20% darker color. If you saturate the color by 10%, you get **13.4246, 19.3724, 3.0317**, and if you desaturate by 10%, it is **13.8856, 19.6014, 3.4430**.

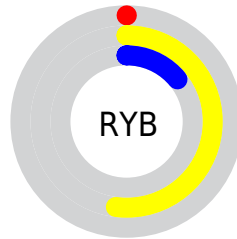
Distribution



Red (38%)

Green (52%)

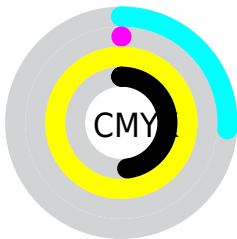
Blue (0%)



Red (0%)

Yellow (52%)

Blue (14%)

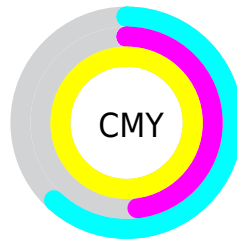


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (62%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4245, 19.3717, 3.0316 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 13.4245, 19.3717, 3.0316 by changing the saturation by 10% instead.

■ 13.4245, 19.3717,
3.0316

■ 13.4245, 19.3717,
3.0316

207.2037,
248.4931, 136.7621

■ 7.8005, 11.9392,
1.1108

■ 31.6592, 42.3612,
11.7063

■ 4.0183, 6.7023,
0.0000

■ 45.0006, 58.6871,
19.2973

■ 1.7125, 3.2766,
0.0000

■ 61.6453, 78.7461,
29.6154

■ 0.4641, 1.2778,
0.0000

■ 81.9584, 102.9227,
43.0792


■ 0.0000, 0.1239,
0.0000


■ 106.3055,
131.6013, 60.1073


■ 0.0000, 0.0000,
0.0000


■ 135.0518,


165.1663, 81.1181


 168.5628,
204.0021, 106.5301


 13.4245, 19.3717,
3.0316


 13.4245, 19.3717,
3.0316


 13.4246, 19.3724,
3.0317

 13.8856, 19.6014,
3.4430

 14.4071, 19.8565,
4.0868

 15.0149, 20.1482,
5.0972

 15.7178, 20.4798,
6.5183

 16.5230, 20.8543,
8.3882

■ 17.4372, 21.2745,
10.7405

■ 18.4663, 21.7427,
13.6056

■ 19.6159, 22.2611,
17.0115

■ 20.8909, 22.8318,
20.9841

Harmonies

Analogous

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



18.8954, 19.3717, 2.0890



13.4245, 19.3717, 3.0316



10.0852, 19.3717, 7.6312

Triad

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



13.4245, 19.3717, 3.0316



12.7635, 19.3717, 64.9037



33.0188, 19.3717, 22.4943

Complementary

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



13.4245, 19.3717, 3.0316



4.9276, 2.0513, 22.3277

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.



30.3905, 19.3717, 45.0100



13.4245, 19.3717, 3.0316



17.9373, 19.3717, 76.6352

Square

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



13.4245, 19.3717, 3.0316



9.7679, 19.3717, 41.1853



24.5037, 19.3717, 67.8495



31.0645, 19.3717, 8.9024

Rectangle

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



13.4245, 19.3717, 3.0316



9.0724, 19.3717, 14.6373



24.5037, 19.3717, 67.8495



32.6313, 19.3717, 29.2114

Sweetspot

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



13.4249, 19.3726, 3.0320



32.9339, 38.8742, 23.9792



10.2245, 6.0889, 0.6367



7.2671, 8.6887, 4.9701



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.4249, 19.3726, 3.0320



23.8866, 34.6115, 5.4217



9.0235, 17.1035, 2.8260



4.9233, 5.3630, 5.0051



12.7943, 18.4557, 2.8880



0.0512, 0.0675, 0.0103

Inverse Universe

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



4.9276, 2.0513, 22.3277



8.6921, 3.6051, 39.9761



9.4624, 4.3891, 22.5399



4.5410, 4.5995, 5.8492



4.6999, 1.9570, 21.2667



0.0224, 0.0099, 0.0740

Previews

White Background



This preview shows how the XYZ color 13.4245, 19.3717, 3.0316 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 13.4245, 19.3717, 3.0316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

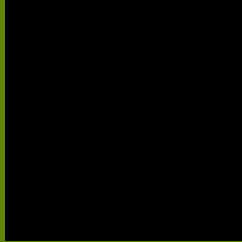
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4245, 19.3717, 3.0316

Background



This preview shows how black text looks on a background with the XYZ color 13.4245, 19.3717, 3.0316.



This preview shows how white text looks on a background with the XYZ color 13.4245, 19.3717,

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

13.4245, 19.3717, 3.0316

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.4431, 19.1040, 3.5824



Tritanopia

17.8717, 19.4238, 24.9975

Trichromacy



Original Color

13.4245, 19.3717, 3.0316

Protanomaly

15.6292, 19.1327, 2.8692

Deuteranomaly

16.7259, 18.9430, 3.2650

Tritanomaly

15.1729, 18.8988, 11.4425

Monochromacy



Original Color

13.4245, 19.3717, 3.0316

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9977, 15.8512, 7.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4245, 19.3717, 3.0316 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(98, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 133, 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(98, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4245, 19.3717, 3.0316 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(98, 133, 0) }
```


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

```
.border{ border-color:rgb(98, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(98, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 133, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4245, 19.3717, 3.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 133, 0) }
```

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

```
.background{ background-color: rgb(98, 133,  
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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