

Converting Colors

XYZ(13.4273, 19.3884, 3.4265)

Have a look what the booklet for
XYZ(13.4273, 19.3884, 3.4265)
contains.

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Color

**XYZ(13.3899, 19.3455,
3.4091)**

Conversions

Conversions Part 1

Format	Color
Hex	61850D
RGB	97, 133, 13
RGB Percent	38%, 52%, 5%
CMY	0.6196, 0.4784, 0.9490
CMYK	0.27, 0.00, 0.90, 0.48
HSL	78°, 82%, 29%
HSV	78°, 90%, 52%
XYZ	13.3899, 19.3455, 3.4091
YIQ	108.5560, 17.0640, -44.9520

Conversions

Conversions Part 2

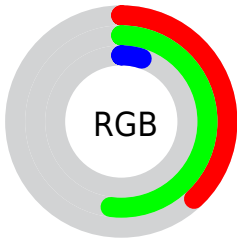
Format	Color
RYB	13, 133, 49
Decimal	6391053
CIELab	51.09, -29.01, 52.63
CIELCh	51, 60.100, 118.863
Yxy	19.3455, 0.3705, 0.5352
Android (android.graphics.Color)	4284581133 (0xFF61850D)
YUV	108.5560, -47.1091, -10.1346
Hunter-Lab	43.9835, -22.6304, 26.1930

Details

The XYZ color **13.3899, 19.3455, 3.4091** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.6451, 2.6349, 22.4025**, and the grayscale version is **14.5363, 15.2934, 16.6545**.

A 20% lighter version of the original color is **31.4911, 42.1650, 12.6098**, and **4.1754, 6.7444, 1.0817** is the 20% darker color. If you saturate the color by 10%, you get **12.9119, 19.1081, 3.0077**, and if you desaturate by 10%, it is **13.9436, 19.6180, 4.0472**.

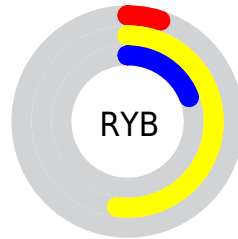
Distribution



Red (38%)

Green (52%)

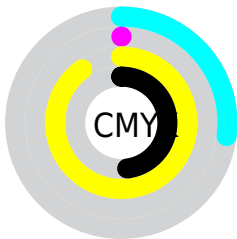
Blue (5%)



Red (5%)

Yellow (52%)

Blue (19%)

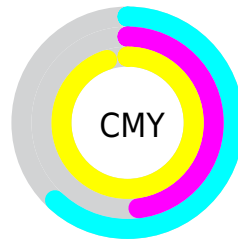


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (48%)



Cyan (62%)


Magenta (48%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3899, 19.3455, 3.4091 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 13.3899, 19.3455, 3.4091 by changing the saturation by 10% instead.

 13.3899, 19.3455,
3.4091


 13.3899, 19.3455,
3.4091


206.9891,
248.3495, 141.4118


 7.7764, 11.9202,
1.3071

 31.5979, 42.3171,
12.6223


 4.0028, 6.6894,
0.0676


 44.9231, 58.6322,
20.5705


 1.7037, 3.2686,
0.0000


 61.5496, 78.6793,
31.3046

 0.4586, 1.2735,
0.0000

 81.8428, 102.8429,
45.2431


 0.0000, 0.1206,
0.0000


 106.1680,
131.5073, 62.8046


 0.0000, 0.0000,
0.0000


 134.8905,


165.0570, 84.4074


 168.3758,
203.8762, 110.4703


 13.3899, 19.3455,
3.4091


 13.3899, 19.3455,
3.4091


 12.9119, 19.1081,
3.0077

 13.9436, 19.6180,
4.0472

 14.5878, 19.9286,
5.0505

 15.3316, 20.2815,
6.4638

 16.1827, 20.6799,
8.3254

 17.1476, 21.1265,
10.6688

■ 18.2326, 21.6237,
13.5247

■ 19.4430, 22.1739,
16.9209

■ 20.7843, 22.7790,
20.8836

■ 22.2612, 23.4411,
25.4370

Harmonies

Analogous

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



18.6158, 19.3455, 2.3371



13.3899, 19.3455, 3.4091



10.2166, 19.3455, 8.2391

Triad

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



13.3899, 19.3455, 3.4091



13.0734, 19.3455, 63.5179



32.3962, 19.3455, 21.7223

Complementary

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



13.3899, 19.3455, 3.4091



5.6451, 2.6349, 22.4025

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.



30.0492, 19.3455, 43.0116



13.3899, 19.3455, 3.4091



18.1607, 19.3455, 73.8965

Square

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



13.3899, 19.3455, 3.4091



10.0636, 19.3455, 41.2205



24.4951, 19.3455, 64.8877



30.3660, 19.3455, 8.8576

Rectangle

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



13.3899, 19.3455, 3.4091



9.2766, 19.3455, 15.3371



24.4951, 19.3455, 64.8877



32.0856, 19.3455, 28.0638

Sweetspot

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



13.3903, 19.3464, 3.4095



33.1920, 38.9692, 25.7085



10.8447, 7.2131, 1.2017



7.3450, 8.7188, 5.4275



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.



13.3903, 19.3464, 3.4095



22.9578, 34.1327, 5.3783



9.2239, 17.1985, 3.2145



4.9073, 5.3548, 5.0043



12.3065, 18.2042, 2.8651



0.0500, 0.0669, 0.0103

Inverse Universe

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



5.6451, 2.6349, 22.4025



8.9992, 3.7634, 39.9905



10.6851, 5.2331, 22.6384



4.5562, 4.6073, 5.8499



4.8701, 2.0448, 21.2747



0.0235, 0.0105, 0.0740

Previews

White Background



This preview shows how the XYZ color 13.3899, 19.3455, 3.4091 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 13.3899, 19.3455, 3.4091 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 13.3899, 19.3455, 3.4091

Background



This preview shows how black text looks on a background with the XYZ color 13.3899, 19.3455, 3.4091.



This preview shows how white text looks on a background with the XYZ color 13.3899, 19.3455,

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

13.3899, 19.3455, 3.4091

Protanopia

17.3199, 19.2550, 3.0335

Deuteranopia

19.4654, 19.1129, 3.7001



Tritanopia

17.8174, 19.3877, 25.3574

Trichromacy



Original Color

13.3899, 19.3455, 3.4091

Protanomaly

15.5417, 19.0812, 3.1511

Deuteranomaly

16.7772, 18.9635, 3.5351

Tritanomaly

15.2605, 18.9202, 12.5205

Monochromacy



Original Color

13.3899, 19.3455, 3.4091

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5402, 16.4545, 8.9410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3899, 19.3455, 3.4091 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(97, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(97, 133, 13)  
}
```

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(97, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 133, 13) }
```

Border

The CSS property to change the border of an element to XYZ 13.3899, 19.3455, 3.4091 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(97, 133, 13) }
```


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

```
.border{ border-color:rgb(97, 133, 13) }
```

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

Here you see how a box with a 4 pixel rgb(97, 133, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(97, 133,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3899, 19.3455, 3.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 133, 13) }
```

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

```
.background{ background-color: rgb(97, 133,  
13) }
```

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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