

Converting Colors

XYZ(13.5567, 23.8988, 3.8984)

Have a look what the booklet for
XYZ(13.5567, 23.8988, 3.8984)
contains.

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Color

**XYZ(13.5712, 23.9063,
3.8991)**

Conversions

Conversions Part 1

Format	Color
Hex	419900
RGB	65, 153, 0
RGB Percent	25%, 60%, 0%
CMY	0.7451, 0.4000, 1.0000
CMYK	0.58, 0.00, 1.00, 0.40
HSL	95°, 100%, 30%
HSV	95°, 100%, 60%
XYZ	13.5712, 23.9063, 3.8991
YIQ	109.2460, -3.3350, -66.2390

Conversions

Conversions Part 2

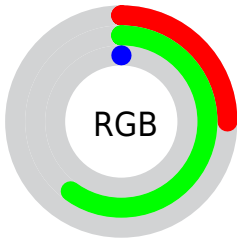
Format	Color
RYB	0, 153, 88
Decimal	4299008
CIELab	55.99, -48.98, 58.21
CIELCh	56, 76.074, 130.083
Yxy	23.9063, 0.3280, 0.5778
Android (android.graphics.Color)	4282489088 (0xFF419900)
YUV	109.2460, -53.8583, -38.8037
Hunter-Lab	48.8941, -36.0196, 29.4977

Details

The XYZ color **13.5712, 23.9063, 3.8991** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.7762, 4.3758, 30.4677**, and the grayscale version is **14.7558, 15.5243, 16.9059**.

A 20% lighter version of the original color is **31.8297, 49.7649, 13.7223**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **13.5712, 23.9070, 3.8992**, and if you desaturate by 10%, it is **14.2889, 24.2668, 4.3946**.

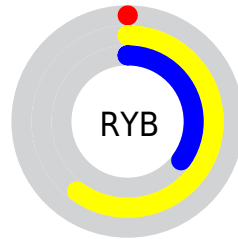
Distribution



Red (25%)

Green (60%)

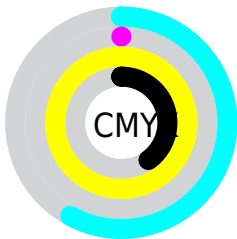
Blue (0%)



Red (0%)

Yellow (60%)

Blue (35%)

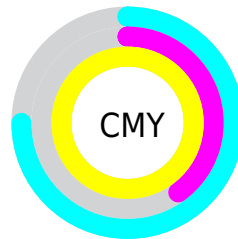


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (75%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5712, 23.9063, 3.8991 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 13.5712, 23.9063, 3.8991 by changing the saturation by 10% instead.

■ 13.5712, 23.9063,
3.8991

■ 13.5712, 23.9063,
3.8991

208.1111,
272.3464, 147.0972

■ 7.9027, 15.2641,
1.5702

■ 31.9189, 49.8773,
13.7764

■ 4.0841, 9.0050,
0.2694

■ 45.3288, 67.9748,
22.1618

■ 1.7498, 4.7444,
0.0000

■ 62.0500, 89.9930,
33.4031

■ 0.4871, 2.0981,
0.0000

■ 82.4477, 116.3161,
47.9189


■ 0.0000, 0.6636,
0.0000


■ 106.8873,
147.3286, 66.1276


■ 0.0000, 0.0000,
0.0000


■ 135.7341,


183.4149, 88.4479


 169.3536,
224.9594, 115.2982


 13.5712, 23.9063,
3.8991


 13.5712, 23.9063,
3.8991


 13.5712, 23.9070,
3.8992

 14.2889, 24.2668,
4.3946

 15.1662, 24.7013,
5.2382

 16.2374, 25.2247,
6.5889

 17.5179, 25.8437,
8.5102

 19.0215, 26.5640,
11.0564

■ 20.7603, 27.3909,
14.2755

■ 22.7456, 28.3294,
18.2109

■ 24.9879, 29.3838,
22.9021

■ 27.4968, 30.5584,
28.3860

Harmonies

Analogous

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



19.9203, 23.9063, 1.6237



13.5712, 23.9063, 3.8991



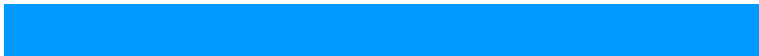
10.3538, 23.9063, 12.8933

Triad

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



13.5712, 23.9063, 3.8991



17.4917, 23.9063, 101.9338



43.4657, 23.9063, 18.5178

Complementary

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



13.5712, 23.9063, 3.8991



9.7762, 4.3758, 30.4677

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.



42.3331, 23.9063, 45.9741



13.5712, 23.9063, 3.8991



25.7753, 23.9063, 107.3007

Square

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



13.5712, 23.9063, 3.8991



12.1847, 23.9063, 70.6067



35.2702, 23.9063, 82.5016



38.0561, 23.9063, 5.7749

Rectangle

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



13.5712, 23.9063, 3.8991



9.7732, 23.9063, 26.0993



35.2702, 23.9063, 82.5016



43.8646, 23.9063, 25.9606

Sweetspot

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



13.5718, 23.9073, 3.8996



40.5065, 50.6256, 32.1511



16.5221, 13.5417, 1.7434



8.6325, 11.0314, 6.4724



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.5718, 23.9073, 3.8996



24.1004, 42.7083, 6.9733



11.4479, 22.8060, 4.0919



6.3685, 7.0474, 6.6305



11.2526, 19.7768, 3.2242



0.2085, 0.3164, 0.0501

Inverse Universe

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



9.7762, 4.3758, 30.4677



17.2903, 7.7240, 54.5515



18.0807, 8.7501, 26.6447



6.2075, 6.1929, 7.7971



8.1176, 3.6358, 25.1816



0.1628, 0.0757, 0.3784

Previews

White Background



This preview shows how the XYZ color 13.5712, 23.9063, 3.8991 looks on a white background.

Color Contrast Check

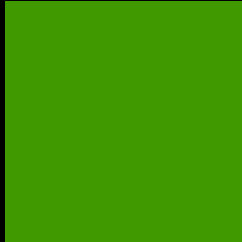
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5712, 23.9063, 3.8991 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 13.5712, 23.9063, 3.8991

Background



This preview shows how black text looks on a background with the XYZ color 13.5712, 23.9063, 3.8991.



This preview shows how white text looks on a background with the XYZ color 13.5712, 23.9063,

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

13.5712, 23.9063, 3.8991

Protanopia

21.2876, 23.6295, 3.4390

Deuteranopia

23.9985, 23.6079, 4.6584



Tritanopia

19.6256, 23.8029, 34.1319

Trichromacy



Original Color

13.5712, 23.9063, 3.8991

Protanomaly

17.2706, 23.0428, 3.5375

Deuteranomaly

18.2905, 22.4841, 4.0377

Tritanomaly

15.7918, 23.1451, 15.1904

Monochromacy



Original Color

13.5712, 23.9063, 3.8991

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

12.9220, 17.4241, 8.3123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5712, 23.9063, 3.8991 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(65, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 153, 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(65, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5712, 23.9063, 3.8991 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(65, 153, 0) }
```


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

```
.border{ border-color:rgb(65, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5712, 23.9063, 3.8991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 153, 0) }
```

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

```
.background{ background-color: rgb(65, 153,  
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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