

Converting Colors

XYZ(13.9579, 24.1057, 3.9172)

Have a look what the booklet for
XYZ(13.9579, 24.1057, 3.9172)
contains.

XYZ(13.9898, 24.1221, 3.9187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.9898, 24.1221,
3.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	479900
RGB	71, 153, 0
RGB Percent	28%, 60%, 0%
CMY	0.7216, 0.4000, 0.9999
CMYK	0.54, 0.00, 1.00, 0.40
HSL	92°, 100%, 30%
HSV	92°, 100%, 60%
XYZ	13.9898, 24.1221, 3.9187
YIQ	111.0400, 0.2410, -64.9670

Conversions

Conversions Part 2

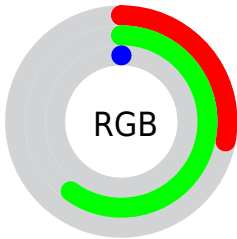
Format	Color
RYB	0, 153, 82
Decimal	4692224
CIELab	56.21, -47.26, 58.47
CIELCh	56, 75.176, 128.946
Yxy	24.1221, 0.3328, 0.5739
Android (android.graphics.Color)	4282882304 (0xFF479900)
YUV	111.0400, -54.7427, -35.1151
Hunter-Lab	49.1143, -35.1057, 29.6494

Details

The XYZ color **13.9898, 24.1221, 3.9187** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.2312, 4.0949, 30.4422**, and the grayscale version is **15.2760, 16.0716, 17.5019**.

A 20% lighter version of the original color is **32.5635, 50.1431, 13.7567**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **13.9898, 24.1228, 3.9188**, and if you desaturate by 10%, it is **14.7214, 24.4898, 4.4148**.

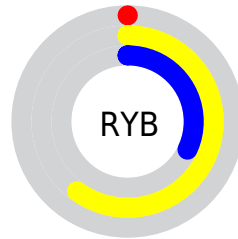
Distribution



Red (28%)

Green (60%)

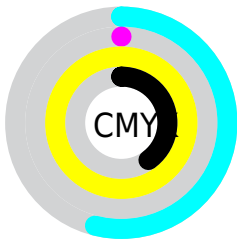
Blue (0%)



Red (0%)

Yellow (60%)

Blue (32%)

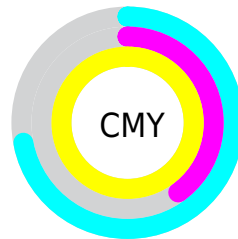


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (72%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9898, 24.1221, 3.9187 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 13.9898, 24.1221, 3.9187 by changing the saturation by 10% instead.

■ 13.9898, 24.1221,
3.9187

■ 13.9898, 24.1221,
3.9187

210.6792,
273.4372, 147.3174

■ 8.1952, 15.4242,
1.5809

■ 32.6573, 50.2294,
13.8218

■ 4.2730, 9.1177,
0.2771

■ 46.2610, 68.4076,
22.2242

■ 1.8577, 4.8180,
0.0000

■ 63.1985, 90.5146,
33.4851

■ 0.5521, 2.1409,
0.0000

■ 83.8350, 116.9350,
48.0232


■ 0.0000, 0.6875,
0.0000


■ 108.5360,
148.0530, 66.2569


■ 0.0000, 0.0000,
0.0000


■ 137.6668,


184.2532, 88.6048


 171.5927,
225.9197, 115.4854


 13.9898, 24.1221,
3.9187


 13.9898, 24.1221,
3.9187


 13.9898, 24.1228,
3.9188

 14.7214, 24.4898,
4.4148

 15.6021, 24.9261,
5.2587

 16.6654, 25.4454,
6.6090

 17.9260, 26.0541,
8.5293

 19.3970, 26.7576,
11.0740

■ 21.0898, 27.5608,
14.2910

■ 23.0151, 28.4683,
18.2236

■ 25.1828, 29.4843,
22.9113

■ 27.6021, 30.6127,
28.3910

Harmonies

Analogous

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



20.4397, 24.1221, 1.7257



13.9898, 24.1221, 3.9187



10.6555, 24.1221, 12.6122

Triad

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



13.9898, 24.1221, 3.9187



17.4621, 24.1221, 100.3884



43.5651, 24.1221, 19.5391

Complementary

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



13.9898, 24.1221, 3.9187



9.2312, 4.0949, 30.4422

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.



42.1885, 24.1221, 47.3328



13.9898, 24.1221, 3.9187



25.6090, 24.1221, 106.8726

Square

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



13.9898, 24.1221, 3.9187



12.2819, 24.1221, 68.9599



35.0358, 24.1221, 83.3659



38.4269, 24.1221, 6.2730

Rectangle

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



13.9898, 24.1221, 3.9187



10.0055, 24.1221, 25.3996



35.0358, 24.1221, 83.3659



43.8716, 24.1221, 27.1496

Sweetspot

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



13.9904, 24.1231, 3.9192



40.9962, 50.8781, 32.1740



16.1253, 12.7482, 1.6111



8.7503, 11.0922, 6.4780



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.



13.9904, 24.1231, 3.9192



24.8430, 43.0911, 7.0080



11.4199, 22.7948, 3.9448



6.3909, 7.0590, 6.6315



11.5996, 19.9557, 3.2405



0.2148, 0.3197, 0.0504

Inverse Universe

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



9.2312, 4.0949, 30.4422



16.3139, 7.2206, 54.5059



18.4753, 8.9080, 28.7226



6.1848, 6.1811, 7.7961



7.6674, 3.4037, 25.1606



0.1566, 0.0725, 0.3781

Previews

White Background



This preview shows how the XYZ color 13.9898, 24.1221, 3.9187 looks on a white background.

Color Contrast Check

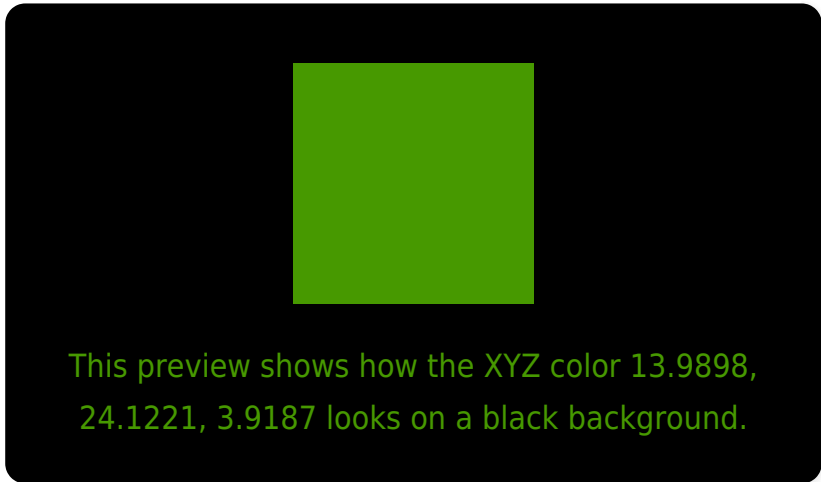
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.9898, 24.1221, 3.9187

Background



This preview shows how black text looks on a background with the XYZ color 13.9898, 24.1221, 3.9187.



This preview shows how white text looks on a background with the XYZ color 13.9898, 24.1221,

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

13.9898, 24.1221, 3.9187

Protanopia

21.2876, 23.6295, 3.4390

Deuteranopia

24.2123, 23.7180, 4.6684



Tritanopia

20.0199, 24.0063, 34.1504

Trichromacy



Original Color

13.9898, 24.1221, 3.9187

Protanomaly

17.5509, 23.1873, 3.5506

Deuteranomaly

18.6033, 22.6454, 4.0523

Tritanomaly

16.2298, 23.3709, 15.2109

Monochromacy



Original Color

13.9898, 24.1221, 3.9187

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.4221, 17.8634, 8.7018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9898, 24.1221, 3.9187 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(71, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.9898, 24.1221, 3.9187 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(71, 153, 0) }
```


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

```
.border{ border-color:rgb(71, 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(71, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.9898, 24.1221, 3.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 153, 0) }
```

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

```
.background{ background-color: rgb(71, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor