

Converting Colors

XYZ(24.9837, 30.3896, 3.0798)

Have a look what the booklet for
XYZ(24.9837, 30.3896, 3.0798)
contains.

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Color

**XYZ(25.2389, 30.4113,
4.5397)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9B00
RGB	155, 155, 0
RGB Percent	61%, 61%, 0%
CMY	0.3922, 0.3921, 1.0000
CMYK	0.00, 0.00, 1.00, 0.39
HSL	60°, 100%, 30%
HSV	60°, 100%, 61%
XYZ	25.2389, 30.4113, 4.5397
YIQ	137.3300, 49.7550, -48.2050

Conversions

Conversions Part 2

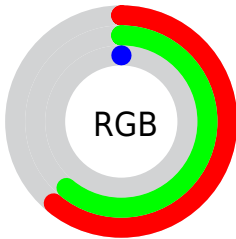
Format	Color
RYB	0, 155, 0
Decimal	10197760
CIELab	62.01, -14.86, 65.14
CIELCh	62, 66.819, 102.852
Yxy	30.4113, 0.4193, 0.5053
Android (android.graphics.Color)	4288387840 (0xFF9B9B00)
YUV	137.3300, -67.7037, 15.4966
Hunter-Lab	55.1464, -14.8121, 33.7217

Details

The XYZ color **25.2389, 30.4113, 4.5397** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.9171, 2.3671, 31.1574**, and the grayscale version is **24.1395, 25.3967, 27.6570**.

A 20% lighter version of the original color is **51.4436, 60.2281, 15.2171**, and **10.0959, 12.5533, 1.8909** is the 20% darker color. If you saturate the color by 10%, you get **25.2395, 30.4127, 4.5400**, and if you desaturate by 10%, it is **25.3295, 30.4487, 5.0135**.

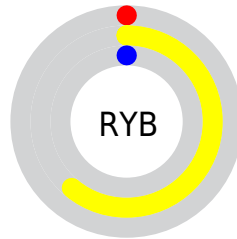
Distribution



Red (61%)

Green (61%)

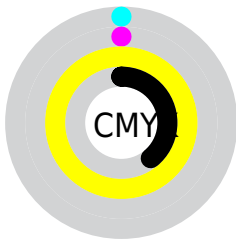
Blue (0%)



Red (0%)

Yellow (61%)

Blue (0%)

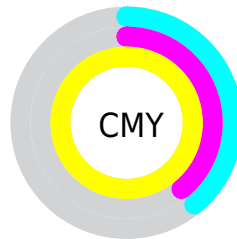


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2389, 30.4113, 4.5397 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 25.2389, 30.4113, 4.5397 by changing the saturation by 10% instead.


 25.2389, 30.4113,
4.5397


 25.2389, 30.4113,
4.5397


271.3513,
303.8169, 154.0475


 16.3848, 20.1510,
1.9258


 51.4846, 60.3120,
15.2365


 9.8894, 12.5048,
0.5091


 69.6070, 80.7212,
24.1565


 5.3874, 7.0885,
0.0000


 91.5495, 105.2822,
36.0157

 2.5134, 3.5175,
0.0000

 117.6774,
134.3792, 51.2325

 0.9020, 1.4075,
0.0000

 148.3563,
168.3969, 70.2256


 0.0000, 0.2222,
0.0000


 183.9513,


 0.0000, 0.0000,


207.7194, 93.4134


0.0000


 224.8279,
252.7313, 121.2145


 25.2389, 30.4113,
4.5397


 25.2389, 30.4113,
4.5397


 25.2395, 30.4127,
4.5400

 25.3295, 30.4487,
5.0135

 25.4872, 30.5118,
5.8433

 25.7432, 30.6142,
7.1905

 26.1098, 30.7609,
9.1207

 26.5978, 30.9561,
11.6900

■ 27.2166, 31.2036,
14.9478

■ 27.9745, 31.5068,
18.9385

■ 28.8794, 31.8688,
23.7032

■ 29.9385, 32.2924,
29.2794

Harmonies

Analogous

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



34.2893, 30.4113, 4.7991



25.2389, 30.4113, 4.5397



18.6978, 30.4113, 8.5098

Triad

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



25.2389, 30.4113, 4.5397



18.0229, 30.4113, 79.2958



48.6960, 30.4113, 49.8992

Complementary

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



25.2389, 30.4113, 4.5397



5.9171, 2.3671, 31.1574

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.



42.2802, 30.4113, 84.0708



25.2389, 30.4113, 4.5397



24.1161, 30.4113, 106.2008

Square

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



25.2389, 30.4113, 4.5397



15.1492, 30.4113, 45.3481



32.9100, 30.4113, 108.2968



49.1709, 30.4113, 23.3035

Rectangle

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



25.2389, 30.4113, 4.5397



16.1228, 30.4113, 15.3129



32.9100, 30.4113, 108.2968



47.1102, 30.4113, 61.1221

Sweetspot

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



25.2396, 30.4127, 4.5403



50.0085, 56.3866, 33.4531



13.5186, 6.9693, 0.6330



11.1930, 12.7124, 6.9075



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



25.2396, 30.4127, 4.5403



45.1984, 54.4624, 8.1301



14.8239, 25.0433, 4.0529



6.7089, 7.2229, 6.6464



20.2712, 24.4261, 3.6463



0.3031, 0.3652, 0.0545

Inverse Universe

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



5.9171, 2.3671, 31.1574



10.5957, 4.2383, 55.7959



9.0187, 3.9660, 31.3025



5.8845, 6.0263, 7.7820



4.7521, 1.9009, 25.0241



0.0710, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 25.2389, 30.4113, 4.5397 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.2389, 30.4113, 4.5397 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 ✓ Pass

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

XYZ 25.2389, 30.4113, 4.5397

Background



This preview shows how black text looks on a background with the XYZ color 25.2389, 30.4113, 4.5397.



This preview shows how white text looks on a background with the XYZ color 25.2389, 30.4113,

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

25.2389, 30.4113, 4.5397

Protanopia

27.2685, 30.2477, 4.4012

Deuteranopia

30.8139, 30.2267, 5.0209



Tritanopia

31.4067, 30.3124, 35.2059

Trichromacy



Original Color

25.2389, 30.4113, 4.5397

Protanomaly

26.5381, 30.3490, 4.4592

Deuteranomaly

28.6514, 30.2490, 4.7805

Tritanomaly

27.5400, 29.6577, 16.0774

Monochromacy



Original Color

25.2389, 30.4113, 4.5397

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.1952, 26.5639, 12.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2389, 30.4113, 4.5397 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(155, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 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(155, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.2389, 30.4113, 4.5397 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(155, 155, 0) }
```


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

```
.border{ border-color:rgb(155, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2389, 30.4113, 4.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 0) }
```

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

```
.background{ background-color: rgb(155,  
155, 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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