

Converting Colors

XYZ(13.6650, 25.2140, 4.4395)

Have a look what the booklet for
XYZ(13.6650, 25.2140, 4.4395)
contains.

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Color

**XYZ(13.6469, 25.1794,
4.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	339E0A
RGB	51, 158, 10
RGB Percent	20%, 62%, 4%
CMY	0.8000, 0.3804, 0.9607
CMYK	0.68, 0.00, 0.94, 0.38
HSL	103°, 88%, 33%
HSV	103°, 94%, 62%
XYZ	13.6469, 25.1794, 4.4280
YIQ	109.1350, -16.2640, -68.7120

Conversions

Conversions Part 2

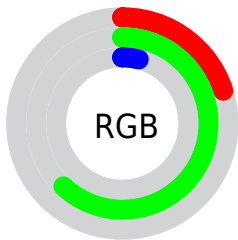
Format	Color
RYB	10, 158, 117
Decimal	3382794
CIELab	57.25, -53.91, 57.52
CIELCh	57, 78.833, 133.148
Yxy	25.1794, 0.3155, 0.5821
Android (android.graphics.Color)	4281572874 (0xFF339E0A)
YUV	109.1350, -48.8736, -50.9844
Hunter-Lab	50.1791, -39.2678, 29.8934

Details

The XYZ color **13.6469, 25.1794, 4.4280** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.6187, 6.4691, 32.8799**, and the grayscale version is **14.7130, 15.4792, 16.8569**.

A 20% lighter version of the original color is **32.1266, 52.1118, 15.0220**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.2558, 24.9849, 4.1239**, and if you desaturate by 10%, it is **14.4251, 25.5664, 5.1409**.

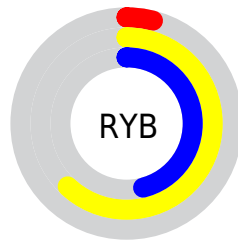
Distribution



Red (20%)

Green (62%)

Blue (4%)



Red (4%)

Yellow (62%)

Blue (46%)

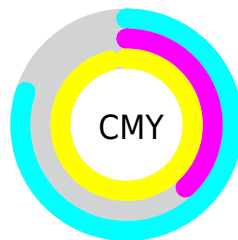


Cyan (68%)

Magenta (0%)

Yellow (94%)

Black (38%)



Cyan (80%)


Magenta (38%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6469, 25.1794, 4.4280 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 13.6469, 25.1794, 4.4280 by changing the saturation by 10% instead.


 13.6469, 25.1794,
4.4280


 13.6469, 25.1794,
4.4280


208.5779,
278.7302, 152.8700


 7.9555, 16.2108,
1.8630


 32.0527, 51.9481,
14.9854


 4.1181, 9.6734,
0.4690


 45.4979, 70.5170,
23.8149

 1.7692, 5.1830,
0.0000

 62.2583, 93.0547,
35.5695

 0.4990, 2.3550,
0.0000

 82.6995, 119.9457,
50.6679


 0.0000, 0.8026,
0.0000


 107.1867,
151.5744, 69.5287


 0.0000, 0.0000,
0.0000


 136.0852,


188.3251, 92.5702


 169.7605,
230.5822, 120.2112


 13.6469, 25.1794,
4.4280


 13.6469, 25.1794,
4.4280


 13.2558, 24.9849,
4.1239

 14.4251, 25.5664,
5.1409

 15.4508, 26.0690,
6.3719

 16.7474, 26.6984,
8.1959

 18.3347, 27.4634,
10.6753

 20.2303, 28.3720,
13.8645

■ 22.4506, 29.4315,
17.8124

■ 25.0104, 30.6487,
22.5633

■ 27.9240, 32.0298,
28.1583

■ 31.2045, 33.5810,
34.6357

Harmonies

Analogous

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



20.0818, 25.1794, 1.6534



13.6469, 25.1794, 4.4280



10.5489, 25.1794, 15.0635

Triad

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



13.6469, 25.1794, 4.4280



19.1025, 25.1794, 111.7496



45.9770, 25.1794, 17.3176

Complementary

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



13.6469, 25.1794, 4.4280



13.6187, 6.4691, 32.8799

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.



45.5151, 25.1794, 45.1552



13.6469, 25.1794, 4.4280



28.2459, 25.1794, 113.9555

Square

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



13.6469, 25.1794, 4.4280



13.0912, 25.1794, 79.6475



38.4044, 25.1794, 84.5209



39.5383, 25.1794, 5.1610

Rectangle

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



13.6469, 25.1794, 4.4280



10.1245, 25.1794, 30.3332



38.4044, 25.1794, 84.5209



46.6648, 25.1794, 24.6922

Sweetspot

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



13.6475, 25.1805, 4.4286



43.0678, 54.5396, 36.5723



20.4097, 19.7988, 3.0334



9.2920, 12.0972, 7.4760



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.6475, 25.1805, 4.4286



23.9031, 45.2838, 7.4808



12.7720, 24.6870, 6.2897



6.7146, 7.4855, 7.0766



10.6501, 20.0271, 3.3043



0.2281, 0.3775, 0.0608

Inverse Universe

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



13.6187, 6.4691, 32.8799



23.6647, 10.9049, 59.6010



17.9717, 8.9915, 20.5062



6.7249, 6.6622, 8.3382



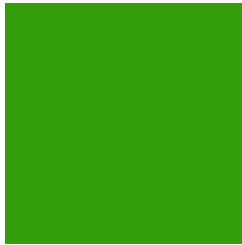
10.5650, 4.8755, 26.2915



0.2272, 0.1069, 0.4719

Previews

White Background



This preview shows how the XYZ color 13.6469, 25.1794, 4.4280 looks on a white background.

Color Contrast Check

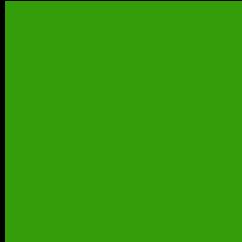
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6469, 25.1794, 4.4280 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 13.6469, 25.1794, 4.4280

Background



This preview shows how black text looks on a background with the XYZ color 13.6469, 25.1794, 4.4280.



This preview shows how white text looks on a background with the XYZ color 13.6469, 25.1794,

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

13.6469, 25.1794, 4.4280

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

25.2993, 24.8573, 5.0546



Tritanopia

20.0851, 25.1200, 36.5909

Trichromacy



Original Color

13.6469, 25.1794, 4.4280

Protanomaly

17.4834, 24.0415, 3.8339

Deuteranomaly

18.4666, 23.4199, 4.5245

Tritanomaly

16.1422, 24.4552, 17.2342

Monochromacy



Original Color

13.6469, 25.1794, 4.4280

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

12.8165, 17.7345, 9.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6469, 25.1794, 4.4280 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(51, 158, 10)` looks like.

```
.text, #text, p{  
    color:rgb(51, 158, 10)  
}
```

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(51, 158, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 158, 10) }
```

Border

The CSS property to change the border of an element to XYZ 13.6469, 25.1794, 4.4280 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(51, 158, 10) }
```


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

```
.border{ border-color:rgb(51, 158, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 158, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 158, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 158, 10);  
box-shadow:4px 4px 4px 4px rgb(51, 158,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6469, 25.1794, 4.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 158, 10) }
```

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

```
.background{ background-color: rgb(51, 158,  
10) }
```

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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