

Converting Colors

XYZ(13.6713, 25.2237, 4.1481)

Have a look what the booklet for
XYZ(13.6713, 25.2237, 4.1481)
contains.

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Color

**XYZ(13.6430, 25.1838,
4.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	349E00
RGB	52, 158, 0
RGB Percent	20%, 62%, 0%
CMY	0.7961, 0.3804, 0.9999
CMYK	0.67, 0.00, 1.00, 0.38
HSL	100°, 100%, 31%
HSV	100°, 100%, 62%
XYZ	13.6430, 25.1838, 4.1419
YIQ	108.2940, -12.4580, -71.6100

Conversions

Conversions Part 2

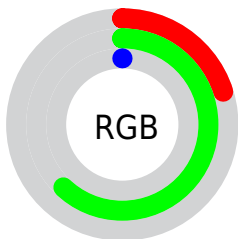
Format	Color
RYB	0, 158, 106
Decimal	3448320
CIELab	57.25, -53.96, 59.04
CIELCh	57, 79.979, 132.425
Yxy	25.1838, 0.3175, 0.5861
Android (android.graphics.Color)	4281638400 (0xFF349E00)
YUV	108.2940, -53.3889, -49.3698
Hunter-Lab	50.1835, -39.2936, 30.2349

Details

The XYZ color **13.6430, 25.1838, 4.1419** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.1180, 5.5343, 32.7787**, and the grayscale version is **14.4855, 15.2399, 16.5962**.

A 20% lighter version of the original color is **32.1233, 52.1255, 14.3294**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.6430, 25.1846, 4.1421**, and if you desaturate by 10%, it is **14.3440, 25.5353, 4.6557**.

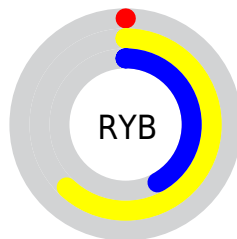
Distribution



Red (20%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (42%)

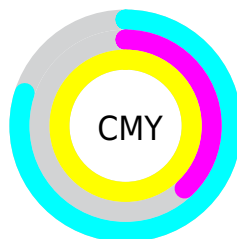


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (80%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6430, 25.1838, 4.1419 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 13.6430, 25.1838, 4.1419 by changing the saturation by 10% instead.

■ 13.6430, 25.1838,
4.1419

■ 13.6430, 25.1838,
4.1419

208.5538,
278.7520, 149.7898

■ 7.9528, 16.2140,
1.7035

■ 32.0458, 51.9552,
14.3357

■ 4.1163, 9.6757,
0.3631

■ 45.4892, 70.5257,
22.9282

■ 1.7682, 5.1845,
0.0000

■ 62.2476, 93.0652,
34.4092

■ 0.4984, 2.3559,
0.0000

■ 82.6865, 119.9582,
49.1972


■ 0.0000, 0.8031,
0.0000


■ 107.1712,
151.5889, 67.7107


■ 0.0000, 0.0000,
0.0000


■ 136.0671,


188.3419, 90.3682


 169.7395,
230.6015, 117.5884


 13.6430, 25.1838,
4.1419


 13.6430, 25.1838,
4.1419


 13.6430, 25.1846,
4.1421

 14.3440, 25.5353,
4.6557

 15.2458, 25.9813,
5.5505

 16.3874, 26.5391,
6.9922

 17.7883, 27.2172,
9.0501

 19.4656, 28.0231,
11.7831

■ 21.4349, 28.9638,
15.2434

■ 23.7104, 30.0455,
19.4779

■ 26.3055, 31.2742,
24.5298

■ 29.2326, 32.6554,
30.4388

Harmonies

Analogous

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



20.2322, 25.1838, 1.5236



13.6430, 25.1838, 4.1419



10.4465, 25.1838, 14.5074

Triad

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



13.6430, 25.1838, 4.1419



18.8536, 25.1838, 113.0940



46.4558, 25.1838, 17.6703

Complementary

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



13.6430, 25.1838, 4.1419



12.1180, 5.5343, 32.7787

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.



45.8008, 25.1838, 46.3495



13.6430, 25.1838, 4.1419



28.0673, 25.1838, 116.2381

Square

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



13.6430, 25.1838, 4.1419



12.8639, 25.1838, 79.7148



38.4236, 25.1838, 86.6479



40.0298, 25.1838, 5.1533

Rectangle

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



13.6430, 25.1838, 4.1419



9.9747, 25.1838, 29.6847



38.4236, 25.1838, 86.6479



47.0963, 25.1838, 25.2752

Sweetspot

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



13.6436, 25.1849, 4.1425



42.7945, 54.4360, 34.8723



19.1875, 17.4420, 2.3557



9.2655, 12.0909, 7.1418



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.



13.6436, 25.1849, 4.1425



24.5853, 45.6355, 7.5128



12.4179, 24.5310, 5.0781



6.7461, 7.5018, 7.0781



10.9642, 20.1890, 3.3190



0.2381, 0.3827, 0.0613

Inverse Universe

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



12.1180, 5.5343, 32.7787



21.7861, 9.9364, 59.5131



18.2437, 8.9267, 22.4736



6.6919, 6.6451, 8.3366



9.7470, 4.4538, 26.2532



0.2169, 0.1016, 0.4714

Previews

White Background



This preview shows how the XYZ color 13.6430, 25.1838, 4.1419 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 13.6430, 25.1838, 4.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

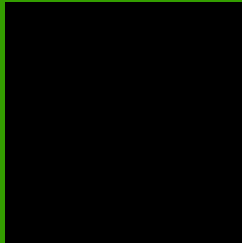
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6430, 25.1838, 4.1419

Background



This preview shows how black text looks on a background with the XYZ color 13.6430, 25.1838, 4.1419.



This preview shows how white text looks on a background with the XYZ color 13.6430, 25.1838,

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

13.6430, 25.1838, 4.1419

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

25.2704, 24.8457, 4.9027



Tritanopia

20.1714, 25.1645, 36.5950

Trichromacy



Original Color

13.6430, 25.1838, 4.1419



Protanomaly

17.4615, 24.0327, 3.7185



Deuteranomaly

18.4155, 23.3995, 4.2554



Tritanomaly

16.0141, 24.4124, 16.1800

Monochromacy



Original Color

13.6430, 25.1838, 4.1419



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.5595, 17.4261, 8.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6430, 25.1838, 4.1419 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(52, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 158, 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(52, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6430, 25.1838, 4.1419 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(52, 158, 0) }
```


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

```
.border{ border-color:rgb(52, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 158, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6430, 25.1838, 4.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 158, 0) }
```

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

```
.background{ background-color: rgb(52, 158,  
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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