

Converting Colors

XYZ(13.0530, 25.5579, 4.2452)

Have a look what the booklet for
XYZ(13.0530, 25.5579, 4.2452)
contains.

XYZ(13.1216, 25.6839, 4.2659)	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(13.1216, 25.6839,
4.2659)**

Conversions

Conversions Part 1

Format	Color
Hex	18A100
RGB	24, 161, 0
RGB Percent	9%, 63%, 0%
CMY	0.9059, 0.3686, 0.9999
CMYK	0.85, 0.00, 1.00, 0.37
HSL	111°, 100%, 32%
HSV	111°, 100%, 63%
XYZ	13.1216, 25.6839, 4.2659
YIQ	101.6830, -29.9710, -79.1150

Conversions

Conversions Part 2

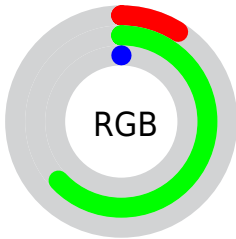
Format	Color
RYB	0, 161, 137
Decimal	1614080
CIELab	57.74, -59.41, 59.20
CIELCh	58, 83.873, 135.100
Yxy	25.6839, 0.3046, 0.5963
Android (android.graphics.Color)	4279804160 (0xFF18A100)
YUV	101.6830, -50.1297, -68.1280
Hunter-Lab	50.6793, -42.4725, 30.4848

Details

The XYZ color **13.1216, 25.6839, 4.2659** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.7521, 7.8931, 34.3601**, and the grayscale version is **12.6799, 13.3402, 14.5275**.

A 20% lighter version of the original color is **31.1281, 52.7462, 14.6713**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **13.1218, 25.6848, 4.2661**, and if you desaturate by 10%, it is **13.6282, 25.9349, 4.7824**.

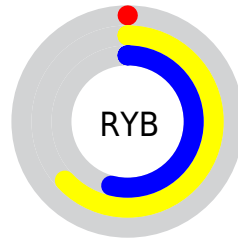
Distribution



Red (9%)

Green (63%)

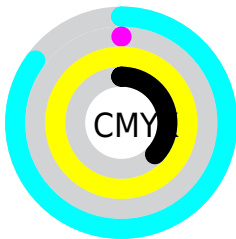
Blue (0%)



Red (0%)

Yellow (63%)

Blue (54%)

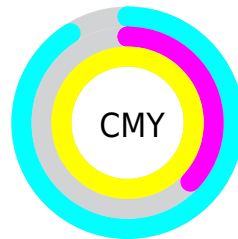


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (91%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1216, 25.6839, 4.2659 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 13.1216, 25.6839, 4.2659 by changing the saturation by 10% instead.


 13.1216, 25.6839,
4.2659


 13.1216, 25.6839,
4.2659


205.3174,
281.2269, 151.1365


 7.5899, 16.5873,
1.7723


 31.1215, 52.7646,
14.6185


 3.8833, 9.9407,
0.4096


 44.3205, 71.5174,
23.3146

 1.6363, 5.3597,
0.0000

 60.8059, 94.2578,
34.9153

 0.4159, 2.4598,
0.0000

 80.9431, 121.3702,
49.8391


 0.0000, 0.8564,
0.0000


 105.0975,
153.2389, 68.5046


 0.0000, 0.0000,
0.0000


 133.6345,


190.2483, 91.3303

 166.9193,
232.7828, 118.7348


 13.1216, 25.6839,
4.2659


 13.1216, 25.6839,
4.2659


 13.1218, 25.6848,
4.2661

 13.6282, 25.9349,
4.7824

 14.3947, 26.3105,
5.7016

 15.4724, 26.8342,
7.1945

 16.8911, 27.5196,
9.3342

 18.6771, 28.3791,
12.1829

■ 20.8540, 29.4237,
15.7957

■ 23.4434, 30.6633,
20.2220

■ 26.4654, 32.1073,
25.5072

■ 29.9386, 33.7645,
31.6934

Harmonies

Analogous

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



19.7153, 25.6839, 1.3381



13.1216, 25.6839, 4.2659



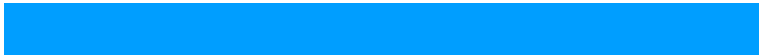
10.0932, 25.6839, 16.0113

Triad

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



13.1216, 25.6839, 4.2659



19.7720, 25.6839, 122.8026



48.2286, 25.6839, 15.8826

Complementary

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



13.1216, 25.6839, 4.2659



16.7521, 7.8931, 34.3601

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.



48.2562, 25.6839, 44.7480



13.1216, 25.6839, 4.2659



29.8005, 25.6839, 122.6681

Square

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



13.1216, 25.6839, 4.2659



13.1533, 25.6839, 88.3477



40.8199, 25.6839, 88.0529



40.7526, 25.6839, 4.2269

Rectangle

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



13.1216, 25.6839, 4.2659



9.7784, 25.6839, 33.1802



40.8199, 25.6839, 88.0529



49.1648, 25.6839, 23.3278

Sweetspot

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



13.1222, 25.6850, 4.2665



41.6979, 54.7767, 35.7205



23.6236, 25.4273, 3.6633



8.7278, 11.8137, 7.1166



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.



13.1222, 25.6850, 4.2665



23.3949, 45.9438, 7.6350



13.4682, 25.7799, 8.0539



7.0793, 7.9433, 7.5402



10.5024, 20.5247, 3.4081



0.2472, 0.4449, 0.0729

Inverse Universe

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



16.7521, 7.8931, 34.3601



29.8676, 14.0664, 61.5274



17.2308, 8.5905, 14.0222



7.2602, 7.1485, 8.9002



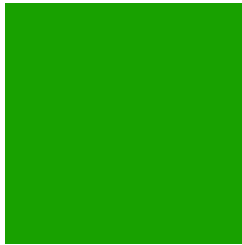
13.4054, 6.3172, 27.4426



0.3081, 0.1463, 0.5779

Previews

White Background



This preview shows how the XYZ color 13.1216, 25.6839, 4.2659 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 13.1216, 25.6839, 4.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

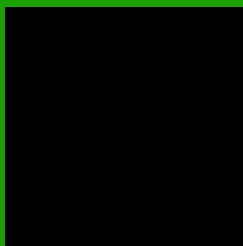
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1216, 25.6839, 4.2659

Background



This preview shows how black text looks on a background with the XYZ color 13.1216, 25.6839, 4.2659.



This preview shows how white text looks on a background with the XYZ color 13.1216, 25.6839,

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

13.1216, 25.6839, 4.2659

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

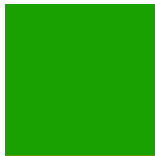
25.6533, 25.2382, 5.1095



Tritanopia

20.0265, 25.7609, 38.0993

Trichromacy



Original Color

13.1216, 25.6839, 4.2659



Protanomaly

16.3423, 23.6836, 3.7101



Deuteranomaly

17.4256, 23.3259, 4.3430



Tritanomaly

15.5251, 24.8747, 16.8150

Monochromacy



Original Color

13.1216, 25.6839, 4.2659



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

10.8611, 16.0034, 7.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1216, 25.6839, 4.2659 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(24, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 161, 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(24, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1216, 25.6839, 4.2659 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(24, 161, 0) }
```


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

```
.border{ border-color:rgb(24, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 161, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1216, 25.6839, 4.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 161, 0) }
```

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

```
.background{ background-color: rgb(24, 161,  
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