

Converting Colors

XYZ(12.2960, 24.5087, 4.3554)

Have a look what the booklet for
XYZ(12.2960, 24.5087, 4.3554)
contains.

XYZ(12.2816, 24.4756, 4.3641)	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(12.2816, 24.4756,
4.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	009E0A
RGB	0, 158, 10
RGB Percent	0%, 62%, 4%
CMY	1.0000, 0.3804, 0.9607
CMYK	1.00, 0.00, 0.94, 0.38
HSL	124°, 100%, 31%
HSV	124°, 100%, 62%
XYZ	12.2816, 24.4756, 4.3641
YIQ	93.8860, -46.6600, -79.5240

Conversions

Conversions Part 2

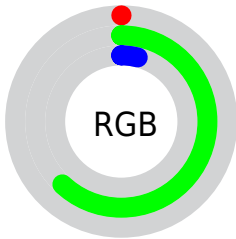
Format	Color
RYB	0, 149, 158
Decimal	40458
CIELab	56.56, -59.98, 56.66
CIELCh	57, 82.512, 136.632
Yxy	24.4756, 0.2987, 0.5952
Android (android.graphics.Color)	4278230538 (0xFF009E0A)
YUV	93.8860, -41.3558, -82.3380
Hunter-Lab	49.4728, -42.2649, 29.4009

Details

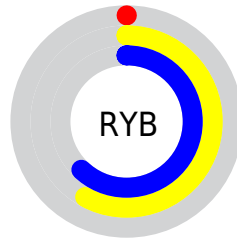
The XYZ color **12.2816, 24.4756, 4.3641** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.4456, 9.4072, 28.8037**, and the grayscale version is **10.7157, 11.2738, 12.2771**.

A 20% lighter version of the original color is **29.6310, 50.8253, 14.9052**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.2822, 24.4766, 4.3647**, and if you desaturate by 10%, it is **12.6111, 24.6325, 4.9990**.

Distribution



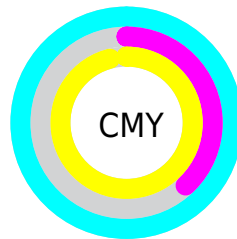
- Red (0%)
- Green (62%)
- Blue (4%)



- Red (0%)
- Yellow (58%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2816, 24.4756, 4.3641 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 12.2816, 24.4756, 4.3641 by changing the saturation by 10% instead.


 12.2816, 24.4756,
4.3641


 12.2816, 24.4756,
4.3641


199.9928,
275.2162, 152.1902


 7.0093, 15.6868,
1.8271


 29.6194, 50.8052,
14.8411


 3.5143, 9.3028,
0.4458


 42.4156, 69.1148,
23.6183

 1.4312, 4.9392,
0.0000

 58.4505, 91.3668,
35.3126

 0.2783, 2.2116,
0.0000

 78.0894, 117.9455,
50.3426


 0.0000, 0.7263,
0.0000


 101.6978,
149.2354, 69.1268


 0.0000, 0.0000,
0.0000


 129.6409,


185.6209, 92.0838


 162.2841,
227.4864, 119.6321


 12.2816, 24.4756,
4.3641


 12.2816, 24.4756,
4.3641


 12.2822, 24.4766,
4.3647

 12.6111, 24.6325,
4.9990

 13.1871, 24.9060,
6.0853

 14.0937, 25.3388,
7.6888

 15.3708, 25.9504,
9.8631

 17.0525, 26.7572,
12.6550

■ 19.1690, 27.7741,
16.1067

■ 21.7478, 29.0144,
20.2563

■ 24.8140, 30.4902,
25.1394

■ 28.3908, 32.2128,
30.7890

Harmonies

Analogous

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



18.3814, 24.4756, 1.3286



12.2816, 24.4756, 4.3641



9.5547, 24.4756, 16.2227

Triad

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



12.2816, 24.4756, 4.3641



19.2607, 24.4756, 117.9108



45.7401, 24.4756, 14.2272

Complementary

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



12.2816, 24.4756, 4.3641



19.4456, 9.4072, 28.8037

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.



46.1673, 24.4756, 40.7951



12.2816, 24.4756, 4.3641



28.9411, 24.4756, 115.8285

Square

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



12.2816, 24.4756, 4.3641



12.7723, 24.4756, 86.2982



39.3789, 24.4756, 81.7335



38.3352, 24.4756, 3.7589

Rectangle

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



12.2816, 24.4756, 4.3641



9.3486, 24.4756, 33.2150



39.3789, 24.4756, 81.7335



46.7632, 24.4756, 21.0122

Sweetspot

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



12.2822, 24.4766, 4.3647



39.1939, 52.5444, 36.3062



24.8239, 30.9485, 4.6653



8.3980, 11.6353, 7.4819



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.



12.2822, 24.4766, 4.3647



22.2772, 44.4372, 7.7869



13.9436, 25.1412, 13.1136



6.5670, 7.4075, 7.1542



9.8420, 19.6048, 3.5252



0.1804, 0.3523, 0.0863

Inverse Universe

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



19.4456, 9.4072, 28.8037



35.2837, 17.0715, 52.1574



15.2417, 7.7256, 6.6662



6.8860, 6.7473, 8.2508



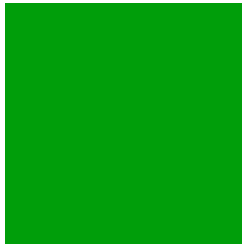
15.5788, 7.5361, 23.0967



0.2835, 0.1367, 0.4388

Previews

White Background



This preview shows how the XYZ color 12.2816, 24.4756, 4.3641 looks on a white background.

Color Contrast Check

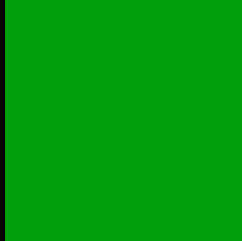
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2816, 24.4756, 4.3641 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 12.2816, 24.4756, 4.3641

Background



This preview shows how black text looks on a background with the XYZ color 12.2816, 24.4756, 4.3641.



This preview shows how white text looks on a background with the XYZ color 12.2816, 24.4756,

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

12.2816, 24.4756, 4.3641

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.6001, 24.1057, 4.9464



Tritanopia

18.9385, 24.5289, 36.5373

Trichromacy



Original Color

12.2816, 24.4756, 4.3641



Protanomaly

14.7741, 22.1951, 3.6203



Deuteranomaly

15.6034, 21.7280, 4.3488



Tritanomaly

14.5713, 23.6454, 17.1606

Monochromacy



Original Color

12.2816, 24.4756, 4.3641



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.1220, 14.0421, 6.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2816, 24.4756, 4.3641 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(0, 158, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 158, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 10) }
```

Border

The CSS property to change the border of an element to XYZ 12.2816, 24.4756, 4.3641 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(0, 158, 10) }
```


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

```
.border{ border-color:rgb(0, 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(0, 158, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2816, 24.4756, 4.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 10) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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