

Converting Colors

XYZ(12.3858, 24.6427, 4.2601)

Have a look what the booklet for
XYZ(12.3858, 24.6427, 4.2601)
contains.

XYZ(12.3043, 24.4905, 4.2222)	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(12.3043, 24.4905,
4.2222)**

Conversions

Conversions Part 1

Format	Color
Hex	049E05
RGB	4, 158, 5
RGB Percent	2%, 62%, 2%
CMY	0.9843, 0.3804, 0.9803
CMYK	0.97, 0.00, 0.97, 0.38
HSL	120°, 95%, 32%
HSV	120°, 97%, 62%
XYZ	12.3043, 24.4905, 4.2222
YIQ	94.5120, -42.6710, -80.2310

Conversions

Conversions Part 2

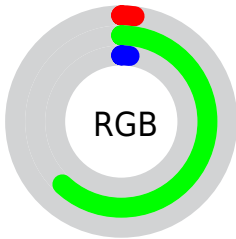
Format	Color
RYB	4, 157, 158
Decimal	302597
CIELab	56.58, -59.89, 57.44
CIELCh	57, 82.980, 136.199
Yxy	24.4905, 0.3000, 0.5971
Android (android.graphics.Color)	4278492677 (0xFF049E05)
YUV	94.5120, -44.1294, -79.3790
Hunter-Lab	49.4879, -42.2229, 29.5830

Details

The XYZ color **12.3043, 24.4905, 4.2222** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.2293, 9.7901, 32.7161**, and the grayscale version is **10.8705, 11.4366, 12.4544**.

A 20% lighter version of the original color is **29.6628, 50.8495, 14.5549**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.2331, 24.4570, 4.1058**, and if you desaturate by 10%, it is **12.6444, 24.6544, 4.7877**.

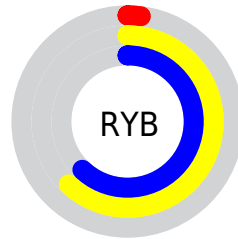
Distribution



Red (2%)

Green (62%)

Blue (2%)



Red (2%)

Yellow (62%)

Blue (62%)

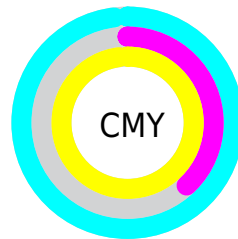


Cyan (97%)

Magenta (0%)

Yellow (97%)

Black (38%)



Cyan (98%)


Magenta (38%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3043, 24.4905, 4.2222 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 12.3043, 24.4905, 4.2222 by changing the saturation by 10% instead.


 12.3043, 24.4905,
4.2222


 12.3043, 24.4905,
4.2222


200.1386,
275.2910, 150.6640


 7.0249, 15.6979,
1.7480


 29.6602, 50.8295,
14.5191


 3.5242, 9.3106,
0.3933


 42.4674, 69.1446,
23.1788


 1.4366, 4.9443,
0.0000

 58.5147, 91.4026,
34.7375

 0.2821, 2.2146,
0.0000

 78.1673, 117.9880,
49.6137


 0.0000, 0.7280,
0.0000


 101.7907,
149.2852, 68.2259


 0.0000, 0.0000,
0.0000


 129.7501,


185.6785, 90.9926


 162.4110,
227.5523, 118.3325


 12.3043, 24.4905,
4.2222


 12.3043, 24.4905,
4.2222


 12.2331, 24.4570,
4.1058

 12.6444, 24.6544,
4.7877

 13.2656, 24.9525,
5.8188

 14.2349, 25.4178,
7.4166

 15.5930, 26.0699,
9.6466

 17.3750, 26.9259,
12.5653

■ 19.6122, 28.0006,
16.2229

■ 22.3330, 29.3076,
20.6650

■ 25.5632, 30.8596,
25.9336

■ 29.3270, 32.6681,
32.0674

Harmonies

Analogous

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



18.4829, 24.4905, 1.2774



12.3043, 24.4905, 4.2222



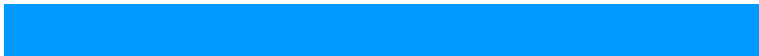
9.5246, 24.4905, 15.9070

Triad

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



12.3043, 24.4905, 4.2222



19.1323, 24.4905, 118.4857



45.9818, 24.4905, 14.4355

Complementary

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



12.3043, 24.4905, 4.2222



20.2293, 9.7901, 32.7161

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.



46.2983, 24.4905, 41.4291



12.3043, 24.4905, 4.2222



28.8369, 24.4905, 116.9397

Square

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



12.3043, 24.4905, 4.2222



12.6661, 24.4905, 86.2048



39.3698, 24.4905, 82.8185



38.5969, 24.4905, 3.7793

Rectangle

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



12.3043, 24.4905, 4.2222



9.2915, 24.4905, 32.8142



39.3698, 24.4905, 82.8185



46.9761, 24.4905, 21.3381

Sweetspot

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



12.3049, 24.4915, 4.2228



39.4440, 52.6867, 35.7131



26.3504, 31.7329, 4.8510



8.4363, 11.6589, 7.3065



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.



12.3049, 24.4915, 4.2228



22.2114, 44.4109, 7.4406



13.7626, 25.0746, 11.8991



6.5524, 7.4017, 7.0778



9.7976, 19.5870, 3.2913



0.1756, 0.3504, 0.0613

Inverse Universe

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



20.2293, 9.7901, 32.7161



36.6487, 17.6175, 59.3456



15.6297, 7.9503, 8.4954



6.9023, 6.7538, 8.3366



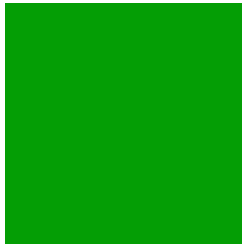
16.1650, 7.7705, 26.1833



0.2896, 0.1392, 0.4710

Previews

White Background



This preview shows how the XYZ color 12.3043, 24.4905, 4.2222 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

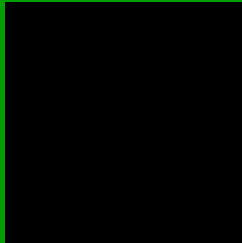
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3043, 24.4905, 4.2222

Background



This preview shows how black text looks on a background with the XYZ color 12.3043, 24.4905, 4.2222.



This preview shows how white text looks on a background with the XYZ color 12.3043, 24.4905,

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

12.3043, 24.4905, 4.2222

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

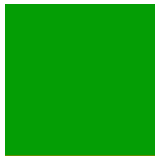
24.6001, 24.1057, 4.9464



Tritanopia

18.9385, 24.5289, 36.5373

Trichromacy



Original Color

12.3043, 24.4905, 4.2222



Protanomaly

14.8704, 22.2460, 3.5676



Deuteranomaly

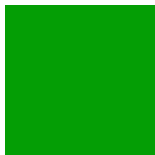
15.8279, 21.8462, 4.2467



Tritanomaly

14.5111, 23.6261, 16.6274

Monochromacy



Original Color

12.3043, 24.4905, 4.2222



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.3345, 14.3288, 6.8312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3043, 24.4905, 4.2222 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(4, 158, 5)` looks like.

```
.text, #text, p{  
    color:rgb(4, 158, 5)  
}
```

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(4, 158, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 158, 5) }
```

Border

The CSS property to change the border of an element to XYZ 12.3043, 24.4905, 4.2222 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(4, 158, 5) }
```


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

```
.border{ border-color:rgb(4, 158, 5) }
```

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

Here you see how a box with a 4 pixel rgb(4, 158, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 158, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 158, 5); box-shadow:4px  
4px 4px 4px rgb(4, 158, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3043, 24.4905, 4.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 158, 5) }
```

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

```
.background{ background-color: rgb(4, 158,  
5) }
```

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