

Converting Colors

XYZ(12.4547, 24.7739, 4.2678)

Have a look what the booklet for
XYZ(12.4547, 24.7739, 4.2678)
contains.

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Color

**XYZ(12.4881, 24.8395,
4.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	059F05
RGB	5, 159, 5
RGB Percent	2%, 62%, 2%
CMY	0.9804, 0.3765, 0.9803
CMYK	0.97, 0.00, 0.97, 0.38
HSL	120°, 94%, 32%
HSV	120°, 97%, 62%
XYZ	12.4881, 24.8395, 4.2799
YIQ	95.3980, -42.3500, -80.5420

Conversions

Conversions Part 2

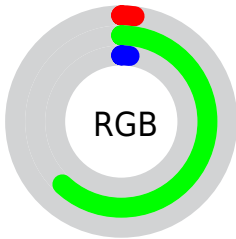
Format	Color
RYB	5, 159, 159
Decimal	368389
CIELab	56.92, -60.12, 57.72
CIELCh	57, 83.340, 136.165
Yxy	24.8395, 0.3001, 0.5970
Android (android.graphics.Color)	4278558469 (0xFF059F05)
YUV	95.3980, -44.5662, -79.2790
Hunter-Lab	49.8392, -42.4924, 29.7960

Details

The XYZ color **12.4881, 24.8395, 4.2799** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.6098, 9.9825, 33.6355**, and the grayscale version is **11.0848, 11.6620, 12.7000**.

A 20% lighter version of the original color is **30.0172, 51.4091, 14.6442**, and **5.1540, 10.3081, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **12.3987, 24.7973, 4.1334**, and if you desaturate by 10%, it is **12.8403, 25.0094, 4.8558**.

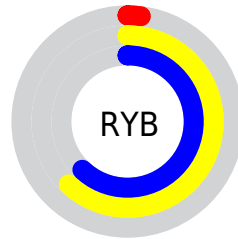
Distribution



Red (2%)

Green (62%)

Blue (2%)



Red (2%)

Yellow (62%)

Blue (62%)

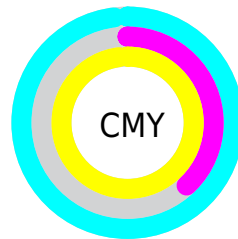


Cyan (97%)

Magenta (0%)

Yellow (97%)

Black (38%)



Cyan (98%)

Magenta (38%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4881, 24.8395, 4.2799 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 12.4881, 24.8395, 4.2799 by changing the saturation by 10% instead.

■ 12.4881, 24.8395,
4.2799

■ 12.4881, 24.8395,
4.2799

201.3150,
277.0377, 151.2874

■ 7.1516, 15.9575,
1.7801

■ 29.9902, 51.3967,
14.6503

■ 3.6042, 9.4941,
0.4148

■ 42.8865, 69.8408,
23.3580

■ 1.4808, 5.0648,
0.0000

■ 59.0334, 92.2409,
34.9721

■ 0.3127, 2.2854,
0.0000

■ 78.7964, 118.9816,
49.9112


■ 0.0000, 0.7659,
0.0000


■ 102.5406,
150.4473, 68.5937


■ 0.0000, 0.0000,
0.0000


■ 130.6316,


187.0222, 91.4382


 163.4346,
229.0909, 118.8633


 12.4881, 24.8395,
4.2799


 12.4881, 24.8395,
4.2799


 12.3987, 24.7973,
4.1334

 12.8403, 25.0094,
4.8558

 13.4854, 25.3193,
5.9111

 14.4870, 25.8004,
7.5497

 15.8866, 26.4727,
9.8391

 17.7198, 27.3533,
12.8378

■ 20.0184, 28.4574,
16.5976

■ 22.8112, 29.7989,
21.1655

■ 26.1245, 31.3905,
26.5848

■ 29.9829, 33.2439,
32.8956

Harmonies

Analogous

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



18.7571, 24.8395, 1.2971



12.4881, 24.8395, 4.2799



9.6657, 24.8395, 16.1154

Triad

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



12.4881, 24.8395, 4.2799



19.3970, 24.8395, 120.0988



46.6309, 24.8395, 14.6654

Complementary

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



12.4881, 24.8395, 4.2799



20.6098, 9.9825, 33.6355

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.



46.9427, 24.8395, 42.0541



12.4881, 24.8395, 4.2799



29.2332, 24.8395, 118.5761

Square

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



12.4881, 24.8395, 4.2799



12.8446, 24.8395, 87.3523



39.9125, 24.8395, 84.0167



39.1511, 24.8395, 3.8432

Rectangle

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



12.4881, 24.8395, 4.2799



9.4272, 24.8395, 33.2431



39.9125, 24.8395, 84.0167



47.6359, 24.8395, 21.6713

Sweetspot

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



12.4887, 24.8405, 4.2805



39.4135, 52.6745, 35.5526



26.7247, 32.1795, 4.9462



8.4290, 11.6560, 7.2682



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.



12.4887, 24.8405, 4.2805



22.2041, 44.4079, 7.4019



13.9842, 25.4387, 12.1559



6.5508, 7.4011, 7.0691



9.7925, 19.5850, 3.2646



0.1751, 0.3502, 0.0584

Inverse Universe

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



20.6098, 9.9825, 33.6355



36.8115, 17.6826, 60.2027



15.8759, 8.0889, 8.7073



6.9042, 6.7546, 8.3464



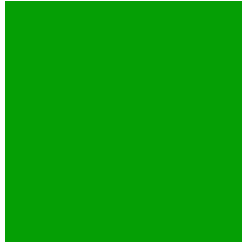
16.2348, 7.7985, 26.5510



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 12.4881, 24.8395, 4.2799 looks on a white background.

Color Contrast Check

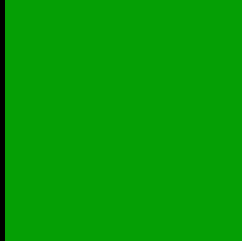
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4881, 24.8395, 4.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

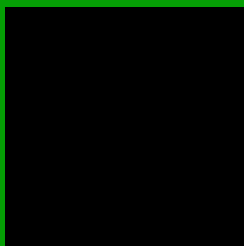
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4881, 24.8395, 4.2799

Background



This preview shows how black text looks on a background with the XYZ color 12.4881, 24.8395, 4.2799.



This preview shows how white text looks on a background with the XYZ color 12.4881, 24.8395,

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

12.4881, 24.8395, 4.2799

Protanopia

21.9410, 24.3806, 3.5495

Deuteranopia

24.9482, 24.4798, 5.0003



Tritanopia

19.2498, 24.9112, 37.0515

Trichromacy



Original Color

12.4881, 24.8395, 4.2799



Protanomaly

15.1298, 22.6035, 3.6229



Deuteranomaly

16.0985, 22.2016, 4.3010



Tritanomaly

14.7656, 23.9914, 16.9493

Monochromacy



Original Color

12.4881, 24.8395, 4.2799



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 12.4881, 24.8395, 4.2799 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(5, 159, 5)` looks like.

```
.text, #text, p{  
    color:rgb(5, 159, 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(5, 159, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 159, 5) }
```

Border

The CSS property to change the border of an element to XYZ 12.4881, 24.8395, 4.2799 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(5, 159, 5) }
```


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

```
.border{ border-color:rgb(5, 159, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 159, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 159, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 159, 5); box-shadow:4px  
4px 4px 4px rgb(5, 159, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4881, 24.8395, 4.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 159, 5) }
```

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

```
.background{ background-color: rgb(5, 159,  
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](#).

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