

Converting Colors

XYZ(12.7312, 25.3865, 4.4773)

Have a look what the booklet for
XYZ(12.7312, 25.3865, 4.4773)
contains.

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Color

**XYZ(12.7942, 25.5095,
4.5079)**

Conversions

Conversions Part 1

Format	Color
Hex	00A109
RGB	0, 161, 9
RGB Percent	0%, 63%, 4%
CMY	1.0000, 0.3686, 0.9647
CMYK	1.00, 0.00, 0.94, 0.37
HSL	123°, 100%, 32%
HSV	123°, 100%, 63%
XYZ	12.7942, 25.5095, 4.5079
YIQ	95.5330, -47.1640, -81.4040

Conversions

Conversions Part 2

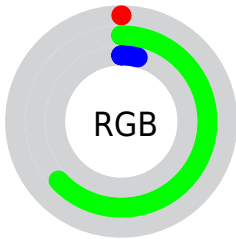
Format	Color
RYB	0, 152, 161
Decimal	41225
CIELab	57.57, -60.86, 57.65
CIELCh	58, 83.830, 136.548
Yxy	25.5095, 0.2988, 0.5959
Android (android.graphics.Color)	4278231305 (0xFF00A109)
YUV	95.5330, -42.6608, -83.7824
Hunter-Lab	50.5069, -43.1703, 30.0630

Details

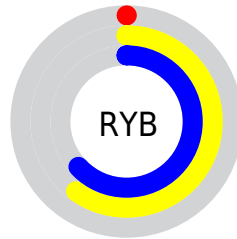
The XYZ color **12.7942, 25.5095, 4.5079** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.3654, 9.8442, 30.5291**, and the grayscale version is **11.1141, 11.6929, 12.7335**.

A 20% lighter version of the original color is **30.4965, 52.4090, 15.1652**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.7948, 25.5105, 4.5084**, and if you desaturate by 10%, it is **13.1279, 25.6687, 5.1384**.

Distribution



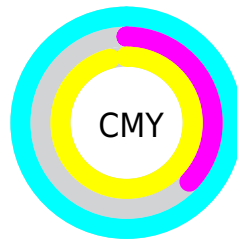
- Red (0%)
- Green (63%)
- Blue (4%)



- Red (0%)
- Yellow (60%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7942, 25.5095, 4.5079 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 12.7942, 25.5095, 4.5079 by changing the saturation by 10% instead.

■ 12.7942, 25.5095,
4.5079

■ 12.7942, 25.5095,
4.5079

203.2589,
280.3659, 153.7137

■ 7.3630, 16.4571,
1.9079

■ 30.5380, 52.4826,
15.1652

■ 3.7385, 9.8482,
0.4978

■ 43.5814, 71.1720,
24.0595

■ 1.5553, 5.2984,
0.0000

■ 59.8928, 93.8426,
35.8890

■ 0.3630, 2.4234,
0.0000

■ 79.8377, 120.8786,
51.0723


■ 0.0000, 0.8379,
0.0000


■ 103.7814,
152.6646, 70.0279


■ 0.0000, 0.0000,
0.0000


■ 132.0892,


189.5848, 93.1743


 165.1266,
232.0238, 120.9300


 12.7942, 25.5095,
4.5079


 12.7942, 25.5095,
4.5079


 12.7948, 25.5105,
4.5084

 13.1279, 25.6687,
5.1384

 13.7204, 25.9503,
6.2411

 14.6589, 26.3987,
7.8885

 15.9855, 27.0341,
10.1384

 17.7363, 27.8743,
13.0415

■ 19.9433, 28.9346,
16.6431

■ 22.6353, 30.2291,
20.9844

■ 25.8390, 31.7706,
26.1035

■ 29.5787, 33.5711,
32.0356

Harmonies

Analogous

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



19.1711, 25.5095, 1.3671



12.7942, 25.5095, 4.5079



9.9407, 25.5095, 16.8333

Triad

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



12.7942, 25.5095, 4.5079



20.0423, 25.5095, 123.1383



47.7442, 25.5095, 14.8574

Complementary

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



12.7942, 25.5095, 4.5079



20.3654, 9.8442, 30.5291

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.



48.1680, 25.5095, 42.6568



12.7942, 25.5095, 4.5079



30.1457, 25.5095, 121.0713

Square

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



12.7942, 25.5095, 4.5079



13.2800, 25.5095, 90.0032



41.0559, 25.5095, 85.4732



40.0208, 25.5095, 3.9103

Rectangle

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



12.7942, 25.5095, 4.5079



9.7204, 25.5095, 34.5411



41.0559, 25.5095, 85.4732



48.8062, 25.5095, 21.9566

Sweetspot

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



12.7948, 25.5106, 4.5085



40.2404, 53.9931, 37.1047



25.8734, 32.2585, 4.8629



8.3893, 11.6318, 7.4362



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.



12.7948, 25.5106, 4.5085



22.8896, 45.6758, 7.9483



14.5298, 26.2046, 13.6451



7.0009, 7.9012, 7.6164



10.2235, 20.3758, 3.6277



0.2194, 0.4300, 0.1001

Inverse Universe

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



20.3654, 9.8442, 30.5291



36.4464, 17.6193, 54.5421



15.8831, 8.0512, 6.9254



7.3471, 7.1953, 8.8144



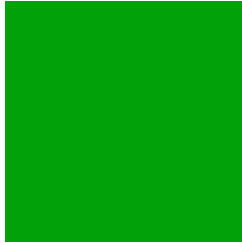
16.2696, 7.8639, 24.4082



0.3467, 0.1672, 0.5382

Previews

White Background



This preview shows how the XYZ color 12.7942, 25.5095, 4.5079 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 12.7942, 25.5095, 4.5079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

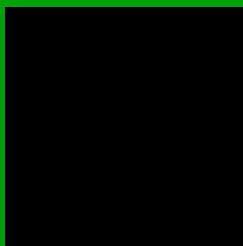
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7942, 25.5095, 4.5079

Background



This preview shows how black text looks on a background with the XYZ color 12.7942, 25.5095, 4.5079.



This preview shows how white text looks on a background with the XYZ color 12.7942, 25.5095,

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

12.7942, 25.5095, 4.5079

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.5346, 24.9769, 5.1443



Tritanopia

19.8118, 25.6503, 38.0892

Trichromacy



Original Color

12.7942, 25.5095, 4.5079



Protanomaly

15.4409, 23.2170, 3.7537



Deuteranomaly

16.1417, 22.4393, 4.4577



Tritanomaly

15.1534, 24.6654, 17.5979

Monochromacy



Original Color

12.7942, 25.5095, 4.5079



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.5664, 14.7952, 7.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7942, 25.5095, 4.5079 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, 161, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 9)  
}
```

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, 161, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 9) }
```

Border

The CSS property to change the border of an element to XYZ 12.7942, 25.5095, 4.5079 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, 161, 9) }
```


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

```
.border{ border-color:rgb(0, 161, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 161, 9); box-shadow:4px  
4px 4px 4px rgb(0, 161, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7942, 25.5095, 4.5079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 9) }
```

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

```
.background{ background-color: rgb(0, 161,  
9) }
```

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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