

Converting Colors

XYZ(25.1705, 49.6657, 10.4719)

Have a look what the booklet for
XYZ(25.1705, 49.6657, 10.4719)
contains.

XYZ(25.2308, 49.7929, 10.4717)	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(25.2308, 49.7929,
10.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	00D92A
RGB	0, 217, 42
RGB Percent	0%, 85%, 16%
CMY	1.0000, 0.1490, 0.8353
CMYK	1.00, 0.00, 0.81, 0.15
HSL	132°, 100%, 43%
HSV	132°, 100%, 85%
XYZ	25.2308, 49.7929, 10.4717
YIQ	132.1670, -73.1570, -100.4290

Conversions

Conversions Part 2

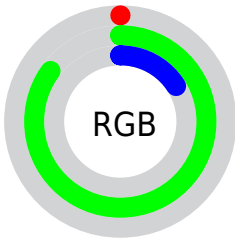
Format	Color
RYB	0, 182, 217
Decimal	55594
CIELab	75.94, -74.96, 66.89
CIELCh	76, 100.464, 138.257
Yxy	49.7929, 0.2951, 0.5824
Android (android.graphics.Color)	4278245674 (0xFF00D92A)
YUV	132.1670, -44.4523, -115.9105
Hunter-Lab	70.5641, -59.6629, 40.5962

Details

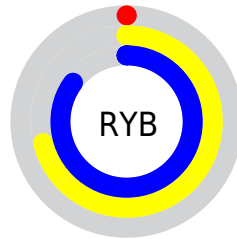
The XYZ color **25.2308, 49.7929, 10.4717** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **36.3542, 17.8475, 42.0854**, and the grayscale version is **22.1684, 23.3229, 25.3986**.

A 20% lighter version of the original color is **44.3426, 75.6675, 24.8386**, and **12.5708, 25.1416, 4.1903** is the 20% darker color. If you saturate the color by 10%, you get **25.2319, 49.7949, 10.4726**, and if you desaturate by 10%, it is **25.9409, 50.1160, 12.5133**.

Distribution



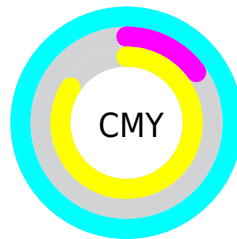
- Red (0%)
- Green (85%)
- Blue (16%)



- Red (0%)
- Yellow (71%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2308, 49.7929, 10.4717 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 25.2308, 49.7929, 10.4717 by changing the saturation by 10% instead.


 25.2308, 49.7929,
10.4717


 25.2308, 49.7929,
10.4717


271.3119,
385.8555, 204.6119


 16.3787, 35.2489,
5.6031


 51.4716, 89.8680,
27.3006


 9.8851, 23.8546,
2.5404


 69.5911, 116.1678,
40.0980


 5.3845, 15.2258,
0.8615


 91.5303, 147.1550,
56.3754

 2.5117, 8.9780,
0.0000

 117.6548,
183.2139, 76.5514

 0.9011, 4.7269,
0.0000

 148.3299,
224.7291, 101.0445

 0.0000, 2.0879,
0.0000

 183.9208,

 0.0000, 0.6578,

272.0848, 130.2733

0.0000

224.7930,
325.6655, 164.6562

■ 0.0000, 0.0000,
0.0000

■ 25.2308, 49.7929,
10.4717

■ 25.2308, 49.7929,
10.4717

■ 25.2319, 49.7949,
10.4726

■ 25.9409, 50.1160,
12.5133

■ 27.1670, 50.6860,
15.3742

■ 29.0440, 51.5724,
19.1333

■ 31.6512, 52.8146,
23.8575

■ 35.0561, 54.4461,
29.6077

■ 39.3184, 56.4966,
36.4394

■ 44.4919, 58.9927,
44.4043

■ 50.6260, 61.9589,
53.5507

■ 57.7666, 65.4178,
63.9240

Harmonies

Analogous

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



36.9229, 49.7929, 3.4217



25.2308, 49.7929, 10.4717



20.1102, 49.7929, 35.8262

Triad

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



25.2308, 49.7929, 10.4717



40.3727, 49.7929, 230.7115



90.3964, 49.7929, 27.9108

Complementary

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



25.2308, 49.7929, 10.4717



36.3542, 17.8475, 42.0854

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.



92.0355, 49.7929, 78.0180



25.2308, 49.7929, 10.4717



59.5213, 49.7929, 222.8427

Square

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



25.2308, 49.7929, 10.4717



27.1802, 49.7929, 173.2288



79.5817, 49.7929, 155.8774



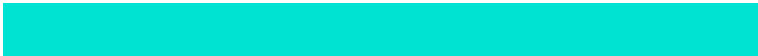
75.5623, 49.7929, 7.9411

Rectangle

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



25.2308, 49.7929, 10.4717



19.8961, 49.7929, 70.4072



79.5817, 49.7929, 155.8774



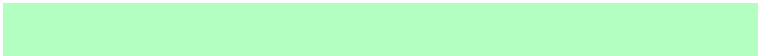
92.6293, 49.7929, 40.7193

Sweetspot

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



25.2320, 49.7950, 10.4728



63.8951, 84.9083, 63.6539



42.9956, 59.0007, 9.1223



12.9653, 17.8307, 12.5398



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2320, 49.7950, 10.4728



36.3220, 71.7448, 14.8796



30.1819, 51.7749, 36.5390



12.9890, 14.6472, 14.4051



15.3029, 30.1538, 6.4944



1.0218, 1.9657, 0.5807

Inverse Universe

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



36.3542, 17.8475, 42.0854



52.3367, 25.6987, 60.3647



29.6820, 15.1786, 6.9501



13.5007, 13.2294, 15.8978



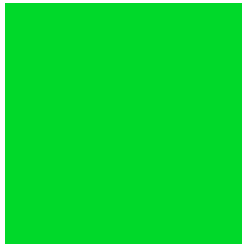
22.0436, 10.8185, 25.6733



1.4564, 0.7122, 1.8122

Previews

White Background



This preview shows how the XYZ color 25.2308, 49.7929, 10.4717 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.2308, 49.7929, 10.4717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

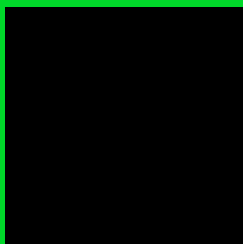
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.2308, 49.7929, 10.4717

Background



This preview shows how black text looks on a background with the XYZ color 25.2308, 49.7929, 10.4717.

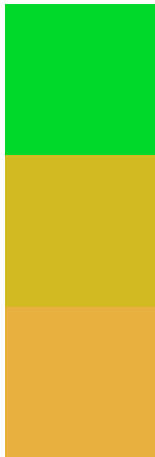


This preview shows how white text looks on a background with the XYZ color 25.2308, 49.7929,

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

25.2308, 49.7929, 10.4717

Protanopia

44.1421, 48.7886, 8.6040

Deuteranopia

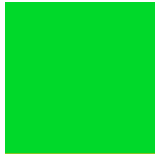
49.6735, 48.5543, 11.3113



Tritanopia

37.9919, 49.4767, 73.8772

Trichromacy



Original Color

25.2308, 49.7929, 10.4717



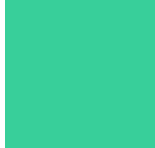
Protanomaly

29.9730, 45.0526, 8.8665



Deuteranomaly

31.5331, 43.8333, 10.4131



Tritanomaly

29.8329, 47.8286, 38.2313

Monochromacy



Original Color

25.2308, 49.7929, 10.4717



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.0055, 28.9801, 16.3964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2308, 49.7929, 10.4717 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, 217, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 42)  
}
```

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, 217, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 42) }
```

Border

The CSS property to change the border of an element to XYZ 25.2308, 49.7929, 10.4717 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, 217, 42) }
```


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

```
.border{ border-color:rgb(0, 217, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.2308, 49.7929, 10.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 42) }
```

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

```
.background{ background-color: rgb(0, 217,  
42) }
```

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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