

Converting Colors

XYZ(25.0586, 49.3145, 10.8276)

Have a look what the booklet for
XYZ(25.0586, 49.3145, 10.8276)
contains.

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Color

**XYZ(25.0490, 49.3090,
10.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	00D82E
RGB	0, 216, 46
RGB Percent	0%, 85%, 18%
CMY	1.0000, 0.1529, 0.8196
CMYK	1.00, 0.00, 0.79, 0.15
HSL	133°, 100%, 42%
HSV	133°, 100%, 85%
XYZ	25.0490, 49.3090, 10.7821
YIQ	132.0360, -74.1660, -98.6620

Conversions

Conversions Part 2

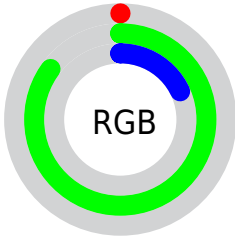
Format	Color
RYB	0, 178, 216
Decimal	55342
CIELab	75.64, -74.45, 65.48
CIELCh	76, 99.143, 138.668
Yxy	49.3090, 0.2942, 0.5792
Android (android.graphics.Color)	4278245422 (0xFF00D82E)
YUV	132.0360, -42.4157, -115.7956
Hunter-Lab	70.2204, -59.2111, 40.0505

Details

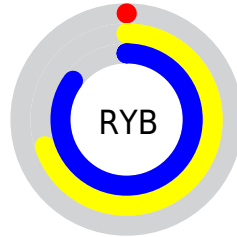
The XYZ color **25.0490, 49.3090, 10.7821** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **35.5756, 17.5018, 39.5324**, and the grayscale version is **22.1138, 23.2654, 25.3360**.

A 20% lighter version of the original color is **44.4941, 75.7281, 25.6365**, and **12.3981, 24.7963, 4.1327** is the 20% darker color. If you saturate the color by 10%, you get **25.0501, 49.3110, 10.7831**, and if you desaturate by 10%, it is **25.7764, 49.6388, 12.9263**.

Distribution



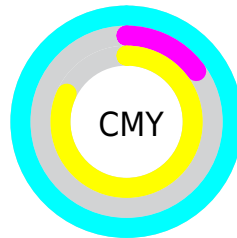
- Red (0%)
- Green (85%)
- Blue (18%)



- Red (0%)
- Yellow (70%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0490, 49.3090, 10.7821 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 25.0490, 49.3090, 10.7821 by changing the saturation by 10% instead.


 25.0490, 49.3090,
10.7821


 25.0490, 49.3090,
10.7821


270.4250,
383.9575, 206.8499


 16.2425, 34.8647,
5.8082


 51.1790, 89.1502,
27.8870


 9.7878, 23.5586,
2.6619


 69.2333, 115.3159,
40.8550


 5.3197, 15.0065,
0.9242


 91.1008, 146.1574,
57.3249

 2.4727, 8.8240,
0.0000

 117.1469,
182.0593, 77.7151

 0.8815, 4.6265,
0.0000

 147.7371,
223.4058, 102.4441

 0.0000, 2.0299,
0.0000

 183.2366,

 0.0000, 0.6247,

270.5815, 131.9306

0.0000

224.0108,
323.9706, 166.5930

■ 0.0000, 0.0000,
0.0000

■ 25.0490, 49.3090,
10.7821

■ 25.0490, 49.3090,
10.7821

■ 25.0501, 49.3110,
10.7831

■ 25.7764, 49.6388,
12.9263

■ 27.0098, 50.2110,
15.8588

■ 28.8817, 51.0940,
19.6508

■ 31.4694, 52.3264,
24.3628

■ 34.8387, 53.9409,
30.0503

■ 39.0478, 55.9666,
36.7640

■ 44.1493, 58.4294,
44.5511

■ 50.1913, 61.3533,
53.4559

■ 57.2184, 64.7604,
63.5202

Harmonies

Analogous

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



36.4548, 49.3090, 3.5810



25.0490, 49.3090, 10.7821



20.0826, 49.3090, 36.1779

Triad

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



25.0490, 49.3090, 10.7821



40.2688, 49.3090, 226.2505



88.8785, 49.3090, 27.4027

Complementary

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



25.0490, 49.3090, 10.7821



35.5756, 17.5018, 39.5324

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.



90.6807, 49.3090, 76.0975



25.0490, 49.3090, 10.7821



59.0935, 49.3090, 217.6316

Square

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



25.0490, 49.3090, 10.7821



27.2108, 49.3090, 170.9475



78.6722, 49.3090, 151.9138



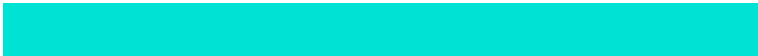
74.2488, 49.3090, 7.9409

Rectangle

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



25.0490, 49.3090, 10.7821



19.9210, 49.3090, 70.4051



78.6722, 49.3090, 151.9138



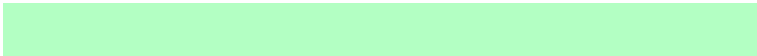
91.1240, 49.3090, 39.8535

Sweetspot

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



25.0502, 49.3110, 10.7832



64.0620, 84.9750, 64.5329



41.7470, 57.9756, 8.9901



13.0037, 17.8460, 12.7421



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.



25.0502, 49.3110, 10.7832



36.4332, 71.7893, 15.4650



30.1593, 51.3547, 37.6876



12.3696, 13.9388, 13.7606



14.8590, 29.1989, 6.5532



0.9272, 1.7735, 0.5586

Inverse Universe

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



35.5756, 17.5018, 39.5324



51.7460, 25.4624, 57.2536



29.2685, 14.9789, 6.3196



12.8345, 12.5853, 15.0686



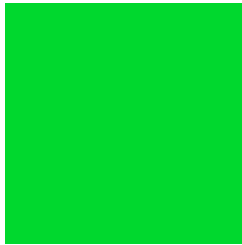
21.0972, 10.3752, 23.6139



1.3014, 0.6374, 1.5767

Previews

White Background



This preview shows how the XYZ color 25.0490, 49.3090, 10.7821 looks on a white background.

Color Contrast Check

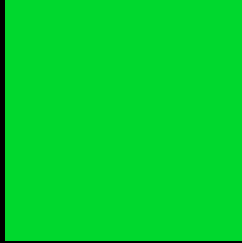
Large Text (above 18pt) WCAG AA × Fail

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 25.0490, 49.3090, 10.7821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

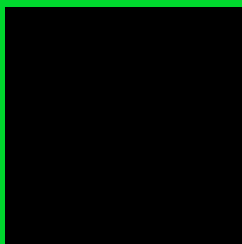
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

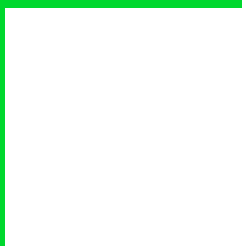
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0490, 49.3090, 10.7821

Background



This preview shows how black text looks on a background with the XYZ color 25.0490, 49.3090, 10.7821.



This preview shows how white text looks on a background with the XYZ color 25.0490, 49.3090,

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

25.0490, 49.3090, 10.7821

Protanopia

43.7112, 48.2478, 8.8426

Deuteranopia

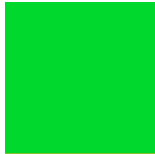
49.2104, 48.0190, 11.5254



Tritanopia

37.6614, 48.9591, 73.7948

Trichromacy



Original Color

25.0490, 49.3090, 10.7821



Protanomaly

29.6559, 44.5455, 9.1329



Deuteranomaly

31.1846, 43.3254, 10.5899



Tritanomaly

29.6750, 47.3790, 38.5914

Monochromacy



Original Color

25.0490, 49.3090, 10.7821



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.1023, 29.0188, 16.9063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0490, 49.3090, 10.7821 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, 216, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 46)  
}
```

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, 216, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 46) }
```

Border

The CSS property to change the border of an element to XYZ 25.0490, 49.3090, 10.7821 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, 216, 46) }
```


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

```
.border{ border-color:rgb(0, 216, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 216, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.0490, 49.3090, 10.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 46) }
```

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

```
.background{ background-color: rgb(0, 216,  
46) }
```

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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