

Converting Colors

XYZ(25.4730, 48.7447, 15.2769)

Have a look what the booklet for
XYZ(25.4730, 48.7447, 15.2769)
contains.

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Color

**XYZ(25.4217, 48.6432,
15.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	00D64E
RGB	0, 214, 78
RGB Percent	0%, 84%, 31%
CMY	1.0000, 0.1608, 0.6941
CMYK	1.00, 0.00, 0.64, 0.16
HSL	142°, 100%, 42%
HSV	142°, 100%, 84%
XYZ	25.4217, 48.6432, 15.2569
YIQ	134.5100, -83.8880, -87.6640

Conversions

Conversions Part 2

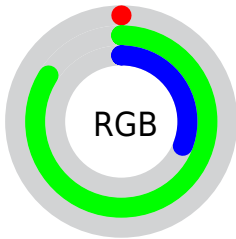
Format	Color
RYB	0, 157, 214
Decimal	54862
CIELab	75.23, -71.08, 53.41
CIELCh	75, 88.908, 143.077
Yxy	48.6432, 0.2846, 0.5446
Android (android.graphics.Color)	4278244942 (0xFF00D64E)
YUV	134.5100, -27.8594, -117.9653
Hunter-Lab	69.7447, -56.9905, 35.8514

Details

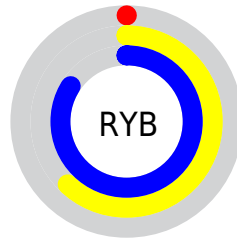
The XYZ color **25.4217, 48.6432, 15.2569** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.1770, 16.0745, 24.7010**, and the grayscale version is **22.9710, 24.1673, 26.3182**.

A 20% lighter version of the original color is **45.8687, 76.2501, 34.1300**, and **12.1745, 24.1610, 4.6380** is the 20% darker color. If you saturate the color by 10%, you get **25.4227, 48.6451, 15.2574**, and if you desaturate by 10%, it is **26.2799, 49.0247, 18.1124**.

Distribution



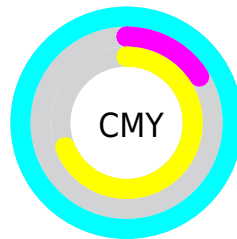
- Red (0%)
- Green (84%)
- Blue (31%)



- Red (0%)
- Yellow (62%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4217, 48.6432, 15.2569 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 25.4217, 48.6432, 15.2569 by changing the saturation by 10% instead.


 25.4217, 48.6432,
15.2569


 25.4217, 48.6432,
15.2569


272.2406,
381.3360, 236.6100


 16.5219, 34.3365,
8.8513


 51.7785, 88.1613,
36.0519


 9.9874, 23.1522,
4.5488


 69.9662, 114.1415,
51.2783


 5.4528, 14.7060,
1.9310


 91.9807, 144.7817,
70.2821

 2.5528, 8.6133,
0.5123

 118.1871,
180.4662, 93.4818

 0.9219, 4.4898,
0.0000

 148.9510,
221.5796, 121.2958

 0.0000, 1.9512,
0.0000

184.6377,

 0.0000, 0.5789,

268.5060, 154.1429

0.0000

225.6124,
321.6300, 192.4414

■ 0.0000, 0.0000,
0.0000

■ 25.4217, 48.6432,
15.2569

■ 25.4217, 48.6432,
15.2569

■ 25.4227, 48.6451,
15.2574

■ 26.2799, 49.0247,
18.1124

■ 27.5960, 49.6286,
21.5446

■ 29.4933, 50.5192,
25.5881

■ 32.0418, 51.7319,
30.2719

■ 35.3004, 53.2967,
35.6231

■ 39.3217, 55.2402,
41.6671

■ 44.1526, 57.5859,
48.4278

■ 49.8363, 60.3559,
55.9282

■ 56.4130, 63.5702,
64.1900

Harmonies

Analogous

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



34.9989, 48.6432, 5.8568



25.4217, 48.6432, 15.2569



21.5670, 48.6432, 42.8592

Triad

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



25.4217, 48.6432, 15.2569



42.5559, 48.6432, 201.5100



81.5020, 48.6432, 24.9839

Complementary

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



25.4217, 48.6432, 15.2569



32.1770, 16.0745, 24.7010

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.



84.8759, 48.6432, 64.5443



25.4217, 48.6432, 15.2569



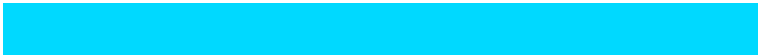
59.6477, 48.6432, 186.0060

Square

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



25.4217, 48.6432, 15.2569



29.8375, 48.6432, 162.0979



76.1094, 48.6432, 127.3141



67.7481, 48.6432, 8.7217

Rectangle

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



25.4217, 48.6432, 15.2569



21.9205, 48.6432, 75.9951



76.1094, 48.6432, 127.3141



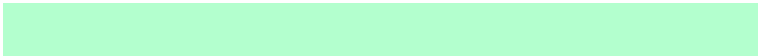
84.0024, 48.6432, 35.1311

Sweetspot

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



25.4229, 48.6452, 15.2580



65.4222, 85.5191, 71.6955



34.7124, 53.5930, 8.5151



13.3193, 17.9723, 14.4041



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.



25.4229, 48.6452, 15.2580



37.7333, 72.3093, 22.3111



32.4812, 51.4685, 52.4264



12.4476, 13.9701, 14.1717



15.4116, 29.4200, 9.4630



0.9687, 1.7901, 0.7769

Inverse Universe

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



32.1770, 16.0745, 24.7010



47.7666, 23.8706, 36.2987



27.9948, 14.4017, 2.6783



12.7520, 12.5523, 14.6344



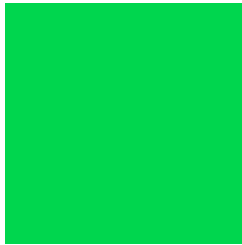
19.4996, 9.7361, 15.2007



1.2152, 0.6029, 1.1229

Previews

White Background



This preview shows how the XYZ color 25.4217, 48.6432, 15.2569 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 25.4217, 48.6432, 15.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

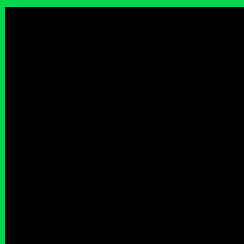
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.4217, 48.6432, 15.2569

Background



This preview shows how black text looks on a background with the XYZ color 25.4217, 48.6432, 15.2569.



This preview shows how white text looks on a background with the XYZ color 25.4217, 48.6432,

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

25.4217, 48.6432, 15.2569

Protanopia

43.3915, 47.6898, 12.5483

Deuteranopia

48.5395, 47.5669, 16.2959



Tritanopia

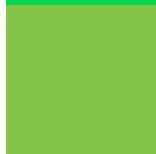
37.0164, 48.2967, 73.0169

Trichromacy



Original Color

25.4217, 48.6432, 15.2569



Protanomaly

29.8907, 44.2439, 13.0954



Deuteranomaly

31.3789, 42.9964, 15.4494



Tritanomaly

30.2898, 47.2280, 43.5959

Monochromacy



Original Color

25.4217, 48.6432, 15.2569



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.1505, 29.7443, 20.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4217, 48.6432, 15.2569 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, 214, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 78)  
}
```

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, 214, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 78) }
```

Border

The CSS property to change the border of an element to XYZ 25.4217, 48.6432, 15.2569 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, 214, 78) }
```


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

```
.border{ border-color:rgb(0, 214, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.4217, 48.6432, 15.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 78) }
```

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

```
.background{ background-color: rgb(0, 214,  
78) }
```

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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