

Converting Colors

XYZ(25.1906, 48.5809, 12.7873)

Have a look what the booklet for
XYZ(25.1906, 48.5809, 12.7873)
contains.

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Color

**XYZ(25.1749, 48.5712,
12.7509)**

Conversions

Conversions Part 1

Format	Color
Hex	11D63F
RGB	17, 214, 63
RGB Percent	7%, 84%, 25%
CMY	0.9333, 0.1608, 0.7529
CMYK	0.92, 0.00, 0.71, 0.16
HSL	134°, 85%, 45%
HSV	134°, 92%, 84%
XYZ	25.1749, 48.5712, 12.7509
YIQ	137.8830, -68.9410, -88.7250

Conversions

Conversions Part 2

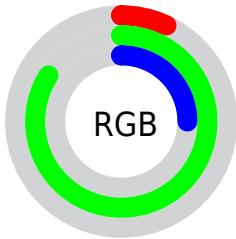
Format	Color
RYB	17, 177, 214
Decimal	1168959
CIELab	75.18, -71.93, 59.36
CIELCh	75, 93.263, 140.467
Yxy	48.5712, 0.2910, 0.5615
Android (android.graphics.Color)	4279359039 (0xFF11D63F)
YUV	137.8830, -36.9173, -106.0144
Hunter-Lab	69.6930, -57.4841, 37.9375

Details

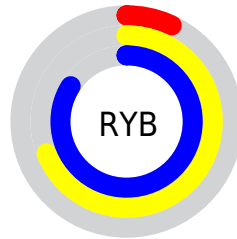
The XYZ color **25.1749, 48.5712, 12.7509** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.0009, 17.5247, 38.5831**, and the grayscale version is **24.2690, 25.5328, 27.8053**.

A 20% lighter version of the original color is **45.3367, 76.0792, 29.4348**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.6227, 48.3252, 11.0447**, and if you desaturate by 10%, it is **26.2879, 49.0853, 15.5641**.

Distribution



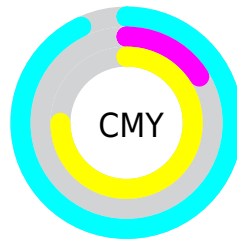
- Red (7%)
- Green (84%)
- Blue (25%)



- Red (7%)
- Yellow (69%)
- Blue (84%)



- Cyan (92%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)



- Cyan (93%)
- Magenta (16%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1749, 48.5712, 12.7509 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 25.1749, 48.5712, 12.7509 by changing the saturation by 10% instead.


 25.1749, 48.5712,
12.7509


 25.1749, 48.5712,
12.7509


271.0394,
381.0518, 220.4665


 16.3368, 34.2795,
7.1285

 51.3817, 88.0543,
31.5401

 9.8552, 23.1084,
3.4630


 69.4811, 114.0144,
45.5441


 5.3646, 14.6735,
1.3356


 91.3983, 144.6327,
63.1790

 2.4997, 8.5906,
0.0907

 117.4988,
180.2937, 84.8633

 0.8951, 4.4751,
0.0000

 148.1477,
221.3817, 111.0157

 0.0000, 1.9427,
0.0000

183.7106,

 0.0000, 0.5739,

268.2811, 142.0547

0.0000

224.5527,
321.3763, 178.3988

■ 0.0000, 0.0000,
0.0000

■ 25.1749, 48.5712,
12.7509

■ 25.1749, 48.5712,
12.7509

■ 24.6227, 48.3252,
11.0447

■ 26.2879, 49.0853,
15.5641

■ 28.0016, 49.8906,
19.1747

■ 30.3947, 51.0279,
23.6391

■ 33.5324, 52.5299,
29.0074

■ 37.4723, 54.4252,
35.3260

■ 42.2659, 56.7396,
42.6380

■ 47.9606, 59.4964,
50.9837

■ 54.5999, 62.7176,
60.4013

■ 62.2247, 66.4232,
70.9271

Harmonies

Analogous

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



35.6014, 48.5712, 4.6360



25.1749, 48.5712, 12.7509



20.7483, 48.5712, 38.7788

Triad

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



25.1749, 48.5712, 12.7509



40.9336, 48.5712, 210.5964



84.3067, 48.5712, 26.3304

Complementary

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



25.1749, 48.5712, 12.7509



35.0009, 17.5247, 38.5831

Split Complementary

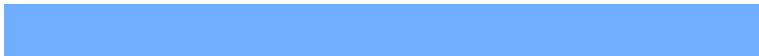
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7511, 48.5712, 70.0559



25.1749, 48.5712, 12.7509



58.6364, 48.5712, 199.1500

Square

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



25.1749, 48.5712, 12.7509



28.2473, 48.5712, 163.7520



76.4332, 48.5712, 138.2647



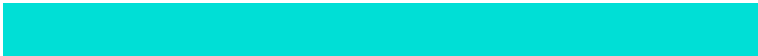
70.4028, 48.5712, 8.4427

Rectangle

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



25.1749, 48.5712, 12.7509



20.8029, 48.5712, 71.8923



76.4332, 48.5712, 138.2647



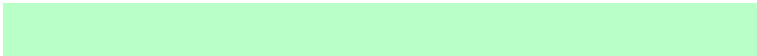
86.6097, 48.5712, 37.5644

Sweetspot

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



25.1761, 48.5732, 12.7520



65.8888, 85.8440, 67.9082



40.3049, 56.4644, 9.3047



13.3564, 18.0130, 13.4270



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.



25.1761, 48.5732, 12.7520



36.5637, 71.8415, 16.1523



30.7532, 50.8041, 42.1210



12.3801, 13.9430, 13.8159



14.9159, 29.2217, 6.8526



0.9321, 1.7755, 0.5843

Inverse Universe

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



35.0009, 17.5247, 38.5831



51.1415, 25.2206, 54.0704



29.0240, 15.1340, 7.1090



12.8232, 12.5808, 15.0093



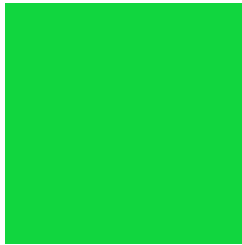
20.8554, 10.2785, 22.3406



1.2887, 0.6323, 1.5097

Previews

White Background



This preview shows how the XYZ color 25.1749, 48.5712, 12.7509 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 25.1749, 48.5712, 12.7509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

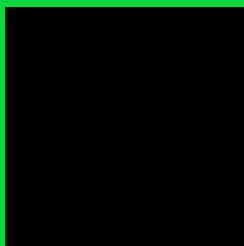
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.1749, 48.5712, 12.7509

Background



This preview shows how black text looks on a background with the XYZ color 25.1749, 48.5712, 12.7509.

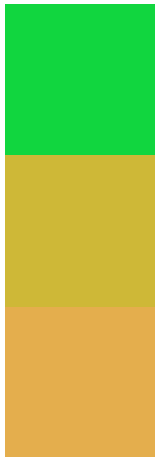


This preview shows how white text looks on a background with the XYZ color 25.1749, 48.5712,

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

25.1749, 48.5712, 12.7509

Protanopia

43.2837, 47.6786, 10.5360

Deuteranopia

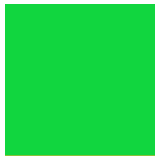
48.4705, 47.3019, 13.5967



Tritanopia

37.1688, 48.3903, 72.3470

Trichromacy



Original Color

25.1749, 48.5712, 12.7509



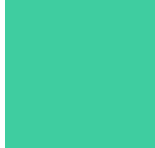
Protanomaly

30.5954, 44.6541, 11.0095



Deuteranomaly

32.1298, 43.4424, 12.8227



Tritanomaly

30.2264, 47.2575, 40.7862

Monochromacy



Original Color

25.1749, 48.5712, 12.7509



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.1216, 30.7998, 19.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1749, 48.5712, 12.7509 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(17, 214, 63)` looks like.

```
.text, #text, p{  
    color:rgb(17, 214, 63)  
}
```

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(17, 214, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 214, 63) }
```

Border

The CSS property to change the border of an element to XYZ 25.1749, 48.5712, 12.7509 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(17, 214, 63) }
```


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

```
.border{ border-color:rgb(17, 214, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 214, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 214, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 214, 63);  
box-shadow:4px 4px 4px 4px rgb(17, 214,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1749, 48.5712, 12.7509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 214, 63) }
```

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

```
.background{ background-color: rgb(17, 214,  
63) }
```

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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