

Converting Colors

XYZ(25.8165, 49.2400, 14.3143)

Have a look what the booklet for
XYZ(25.8165, 49.2400, 14.3143)
contains.

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Color

**XYZ(25.8235, 49.2509,
14.2762)**

Conversions

Conversions Part 1

Format	Color
Hex	17D748
RGB	23, 215, 72
RGB Percent	9%, 84%, 28%
CMY	0.9098, 0.1568, 0.7176
CMYK	0.89, 0.00, 0.67, 0.16
HSL	135°, 81%, 47%
HSV	135°, 89%, 84%
XYZ	25.8235, 49.2509, 14.2762
YIQ	141.2900, -68.5290, -85.1770

Conversions

Conversions Part 2

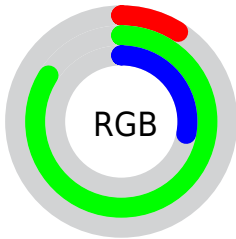
Format	Color
RYB	23, 176, 215
Decimal	1562440
CIELab	75.61, -71.02, 56.34
CIELCh	76, 90.652, 141.576
Yxy	49.2509, 0.2890, 0.5512
Android (android.graphics.Color)	4279752520 (0xFF17D748)
YUV	141.2900, -34.1600, -103.7403
Hunter-Lab	70.1790, -57.1312, 37.0642

Details

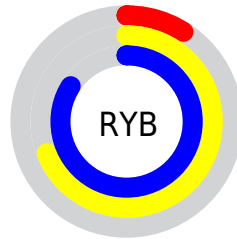
The XYZ color **25.8235, 49.2509, 14.2762** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.2151, 17.8139, 37.6604**, and the grayscale version is **25.5820, 26.9143, 29.3097**.

A 20% lighter version of the original color is **46.0814, 76.4059, 32.0577**, and **12.2488, 24.4625, 4.1910** is the 20% darker color. If you saturate the color by 10%, you get **25.0338, 48.8979, 11.8591**, and if you desaturate by 10%, it is **27.1241, 49.8544, 17.4296**.

Distribution



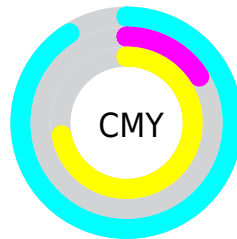
- Red (9%)
- Green (84%)
- Blue (28%)



- Red (9%)
- Yellow (69%)
- Blue (84%)



- Cyan (89%)
- Magenta (0%)
- Yellow (67%)
- Black (16%)



- Cyan (91%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8235, 49.2509, 14.2762 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 25.8235, 49.2509, 14.2762 by changing the saturation by 10% instead.

■ 25.8235, 49.2509,
14.2762

■ 25.8235, 49.2509,
14.2762

274.1872,
383.7292, 230.4302

■ 16.8236, 34.8186,
8.1721

■ 52.4234, 89.0640,
34.3025

■ 10.2033, 23.5231,
4.1159

■ 70.7542, 115.2135,
49.0617

■ 5.5973, 14.9803,
1.6891

■ 92.9259, 146.0375,
67.5430

■ 2.6401, 8.8055,
0.3533

■ 119.3040,
181.9205, 90.1650

■ 0.9664, 4.6146,
0.0000

■ 150.2539,
223.2467, 117.3462

■ 0.0000, 2.0229,
0.0000

186.1408,

■ 0.0000, 0.6207,

270.4007, 149.5051

0.0000

227.3301,
323.7667, 187.0602

■ 0.0000, 0.0000,
0.0000

■ 25.8235, 49.2509,
14.2762

■ 25.8235, 49.2509,
14.2762

■ 25.0338, 48.8979,
11.8591

■ 27.1241, 49.8544,
17.4296

■ 24.9879, 48.8774,
11.7156

■ 29.0487, 50.7613,
21.3718

■ 31.6721, 52.0106,
26.1531

■ 35.0568, 53.6336,
31.8186

■ 39.2584, 55.6580,
38.4101

■ 44.3272, 58.1091,
45.9667

■ 50.3092, 61.0097,
54.5253

■ 57.2471, 64.3811,
64.1208

■ 65.1811, 68.2434,
74.7865

Harmonies

Analogous

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



35.9282, 49.2509, 5.4358



25.8235, 49.2509, 14.2762



21.6130, 49.2509, 41.2039

Triad

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



25.8235, 49.2509, 14.2762



42.2452, 49.2509, 206.6397



83.6502, 49.2509, 26.3334

Complementary

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



25.8235, 49.2509, 14.2762



35.2151, 17.8139, 37.6604

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.



86.4962, 49.2509, 68.3228



25.8235, 49.2509, 14.2762



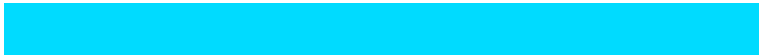
59.6966, 49.2509, 193.4765

Square

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



25.8235, 49.2509, 14.2762



29.4972, 49.2509, 163.3676



76.8856, 49.2509, 133.9143



69.8437, 49.2509, 8.9389

Rectangle

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



25.8235, 49.2509, 14.2762



21.7975, 49.2509, 74.3701



76.8856, 49.2509, 133.9143



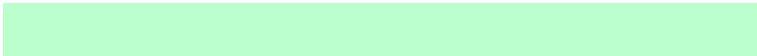
86.0334, 49.2509, 37.1495

Sweetspot

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



25.8247, 49.2529, 14.2773



66.9118, 86.3242, 70.0872



40.3932, 56.8806, 9.6609



13.7196, 18.1852, 14.1238



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.



25.8247, 49.2529, 14.2773



36.7164, 71.9026, 16.9564



31.6302, 51.5752, 44.8490



12.3912, 13.9475, 13.8744



14.9818, 29.2481, 7.1997



0.9374, 1.7776, 0.6122

Inverse Universe

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



35.2151, 17.8139, 37.6604



50.5257, 24.9743, 50.8276



29.4694, 15.5156, 7.4035



12.8113, 12.5760, 14.9468



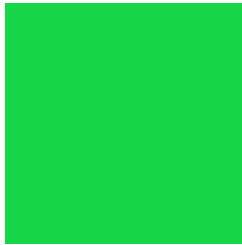
20.6088, 10.1799, 21.0420



1.2756, 0.6270, 1.4408

Previews

White Background



This preview shows how the XYZ color 25.8235, 49.2509, 14.2762 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 25.8235, 49.2509, 14.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

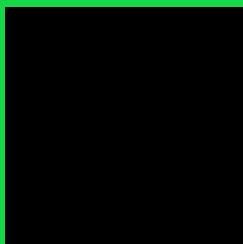
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8235, 49.2509, 14.2762

Background



This preview shows how black text looks on a background with the XYZ color 25.8235, 49.2509, 14.2762.



This preview shows how white text looks on a background with the XYZ color 25.8235, 49.2509,

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

25.8235, 49.2509, 14.2762

Protanopia

43.7280, 48.1899, 11.8474

Deuteranopia

49.1599, 48.2005, 15.3070



Tritanopia

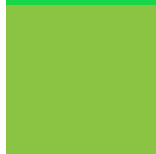
37.5309, 48.9069, 73.1075

Trichromacy



Original Color

25.8235, 49.2509, 14.2762



Protanomaly

31.4005, 45.3741, 12.4133



Deuteranomaly

32.9983, 44.1784, 14.3775



Tritanomaly

30.9521, 47.9468, 42.7453

Monochromacy



Original Color

25.8235, 49.2509, 14.2762



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.1920, 31.8629, 21.5035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8235, 49.2509, 14.2762 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(23, 215, 72)` looks like.

```
.text, #text, p{  
    color:rgb(23, 215, 72)  
}
```

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(23, 215, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 215, 72) }
```

Border

The CSS property to change the border of an element to XYZ 25.8235, 49.2509, 14.2762 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(23, 215, 72) }
```


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

```
.border{ border-color:rgb(23, 215, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 215, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 215, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 215, 72);  
box-shadow:4px 4px 4px 4px rgb(23, 215,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8235, 49.2509, 14.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 215, 72) }
```

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

```
.background{ background-color: rgb(23, 215,  
72) }
```

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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