

Converting Colors

XYZ(26.0514, 49.1010, 12.6788)

Have a look what the booklet for
XYZ(26.0514, 49.1010, 12.6788)
contains.

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Color

**XYZ(25.9983, 48.9988,
12.6449)**

Conversions

Conversions Part 1

Format	Color
Hex	2DD63E
RGB	45, 214, 62
RGB Percent	18%, 84%, 24%
CMY	0.8235, 0.1608, 0.7568
CMYK	0.79, 0.00, 0.71, 0.16
HSL	126°, 67%, 51%
HSV	126°, 79%, 84%
XYZ	25.9983, 48.9988, 12.6449
YIQ	146.1410, -51.9320, -83.1000

Conversions

Conversions Part 2

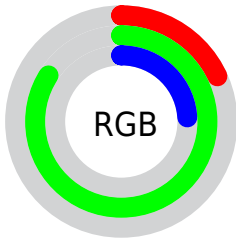
Format	Color
RYB	45, 199, 214
Decimal	3003966
CIELab	75.45, -69.62, 60.10
CIELCh	75, 91.967, 139.197
Yxy	48.9988, 0.2966, 0.5591
Android (android.graphics.Color)	4281194046 (0xFF2DD63E)
YUV	146.1410, -41.4815, -88.7007
Hunter-Lab	69.9991, -56.2020, 38.2890

Details

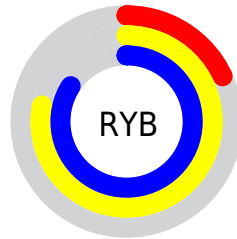
The XYZ color **25.9983, 48.9988, 12.6449** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **38.7493, 20.2049, 54.6814**, and the grayscale version is **27.5610, 28.9963, 31.5770**.

A 20% lighter version of the original color is **46.7757, 76.8211, 29.5022**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **24.8464, 48.4570, 10.3059**, and if you desaturate by 10%, it is **27.8162, 49.8652, 15.9933**.

Distribution



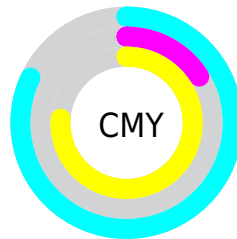
- Red (18%)
- Green (84%)
- Blue (24%)



- Red (18%)
- Yellow (78%)
- Blue (84%)



- Cyan (79%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)



- Cyan (82%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9983, 48.9988, 12.6449 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 25.9983, 48.9988, 12.6449 by changing the saturation by 10% instead.

■ 25.9983, 48.9988,
12.6449

■ 25.9983, 48.9988,
12.6449

275.0306,
382.7376, 219.7565

■ 16.9550, 34.6185,
7.0566

■ 52.7035, 88.6897,
31.3461

■ 10.2975, 23.3692,
3.4186

■ 71.0962, 114.7691,
45.2962

■ 5.6605, 14.8663,
1.3121

■ 93.3361, 145.5169,
62.8705

■ 2.6784, 8.7256,
0.0717

■ 119.7885,
181.3177, 84.4878

■ 0.9861, 4.5627,
0.0000

■ 150.8188,
222.5558, 110.5665

■ 0.0000, 1.9930,
0.0000

186.7923,

■ 0.0000, 0.6034,

269.6155, 141.5251

0.0000

228.0745,
322.8813, 177.7823

■ 0.0000, 0.0000,
0.0000

■ 25.9983, 48.9988,
12.6449

■ 25.9983, 48.9988,
12.6449

■ 24.8464, 48.4570,
10.3059

■ 27.8162, 49.8652,
15.9933

■ 24.2349, 48.1732,
8.8588


■ 30.3779, 51.0900,
20.4441

■ 24.1878, 48.1512,
8.7548


■ 33.7541, 52.7091,
26.0839


■ 38.0062, 54.7527,
32.9893

■ 43.1896, 57.2478,
41.2307

 49.3554, 60.2194,
50.8733

 56.5507, 63.6903,
61.9782

 64.8198, 67.6823,
74.6025

 74.2041, 72.2156,
88.8006

Harmonies

Analogous

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



36.6545, 48.9988, 4.8345



25.9983, 48.9988, 12.6449



21.3300, 48.9988, 37.6972

Triad

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



25.9983, 48.9988, 12.6449



40.7256, 48.9988, 207.6252



84.6373, 48.9988, 28.1651

Complementary

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



25.9983, 48.9988, 12.6449



38.7493, 20.2049, 54.6814

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.



86.4898, 48.9988, 72.8311



25.9983, 48.9988, 12.6449



58.1339, 48.9988, 198.9966

Square

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



25.9983, 48.9988, 12.6449



28.3536, 48.9988, 159.8107



75.8610, 48.9988, 140.5601



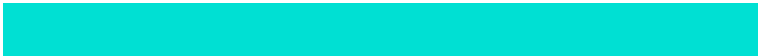
71.2851, 48.9988, 9.2934

Rectangle

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



25.9983, 48.9988, 12.6449



21.2359, 48.9988, 69.7073



75.8610, 48.9988, 140.5601



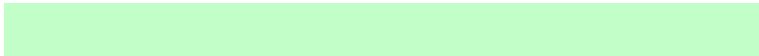
86.7297, 48.9988, 39.7777

Sweetspot

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



25.9995, 49.0008, 12.6460



68.3772, 87.1310, 67.8315



47.5743, 60.1688, 11.5892



13.9532, 18.3209, 13.4483



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.



25.9995, 49.0008, 12.6460



36.2582, 71.7380, 13.6962



30.3496, 50.7409, 35.5533



12.3127, 13.9161, 13.4610



14.6373, 29.1102, 5.3855



0.9006, 1.7629, 0.4180

Inverse Universe

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



38.7493, 20.2049, 54.6814



55.7520, 27.2900, 77.6549



31.6295, 17.3570, 17.1890



12.8967, 12.6102, 15.3961



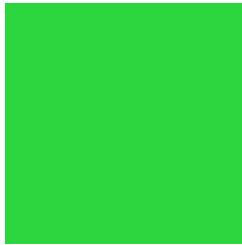
22.5665, 10.9629, 31.3507



1.3770, 0.6676, 1.9747

Previews

White Background



This preview shows how the XYZ color 25.9983, 48.9988, 12.6449 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 25.9983, 48.9988, 12.6449 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 25.9983, 48.9988, 12.6449

Background



This preview shows how black text looks on a background with the XYZ color 25.9983, 48.9988, 12.6449.



This preview shows how white text looks on a background with the XYZ color 25.9983, 48.9988,

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

25.9983, 48.9988, 12.6449

Protanopia

43.4684, 48.0861, 10.4805

Deuteranopia

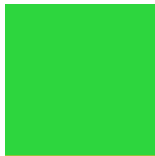
48.9476, 47.8398, 13.4917



Tritanopia

37.8728, 48.7532, 72.3800

Trichromacy



Original Color

25.9983, 48.9988, 12.6449



Protanomaly

32.5111, 45.9783, 11.0321



Deuteranomaly

34.2352, 44.5315, 12.7523



Tritanomaly

31.2371, 47.7785, 40.8335

Monochromacy



Original Color

25.9983, 48.9988, 12.6449



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.9641, 33.6148, 21.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9983, 48.9988, 12.6449 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(45, 214, 62)` looks like.

```
.text, #text, p{  
    color:rgb(45, 214, 62)  
}
```

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(45, 214, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 214, 62) }
```

Border

The CSS property to change the border of an element to XYZ 25.9983, 48.9988, 12.6449 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(45, 214, 62) }
```


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

```
.border{ border-color:rgb(45, 214, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 214, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 214, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 214, 62);  
box-shadow:4px 4px 4px 4px rgb(45, 214,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9983, 48.9988, 12.6449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 214, 62) }
```

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

```
.background{ background-color: rgb(45, 214,  
62) }
```

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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