

Converting Colors

XYZ(23.9179, 47.8501, 12.4104)

Have a look what the booklet for
XYZ(23.9179, 47.8501, 12.4104)
contains.

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Color

**XYZ(24.8889, 48.4301,
12.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	00D63D
RGB	0, 214, 61
RGB Percent	0%, 84%, 24%
CMY	1.0000, 0.1608, 0.7608
CMYK	1.00, 0.00, 0.71, 0.16
HSL	137°, 100%, 42%
HSV	137°, 100%, 84%
XYZ	24.8889, 48.4301, 12.4510
YIQ	132.5720, -78.4310, -92.9510

Conversions

Conversions Part 2

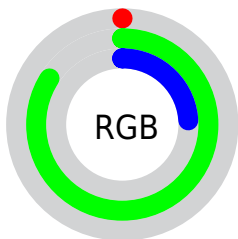
Format	Color
RYB	0, 167, 214
Decimal	54845
CIELab	75.10, -72.77, 59.99
CIElCh	75, 94.305, 140.500
Yxy	48.4301, 0.2902, 0.5647
Android (android.graphics.Color)	4278244925 (0xFF00D63D)
YUV	132.5720, -35.2850, -116.2656
Hunter-Lab	69.5917, -57.9465, 38.1064

Details

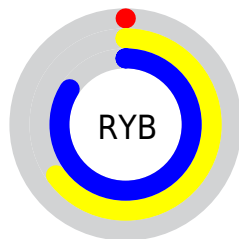
The XYZ color **24.8889, 48.4301, 12.4510** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **33.4828, 16.5969, 31.5774**, and the grayscale version is **22.2847, 23.4452, 25.5319**.

A 20% lighter version of the original color is **44.9147, 75.8685, 29.1065**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.8899, 48.4320, 12.4516**, and if you desaturate by 10%, it is **25.6806, 48.7850, 14.9562**.

Distribution



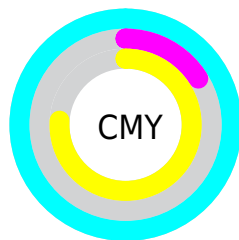
- Red (0%)
- Green (84%)
- Blue (24%)



- Red (0%)
- Yellow (65%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8889, 48.4301, 12.4510 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 24.8889, 48.4301, 12.4510 by changing the saturation by 10% instead.


 24.8889, 48.4301,
12.4510


 24.8889, 48.4301,
12.4510


269.6421,
380.4944, 218.4514


 16.1226, 34.1676,
6.9254


 50.9211, 87.8444,
30.9905


 9.7023, 23.0224,
3.3377


 68.9177, 113.7651,
44.8414


 5.2628, 14.6100,
1.2696


 90.7219, 144.3406,
62.3045

 2.4386, 8.5462,
0.0366

 116.6988,
179.9553, 83.7983

 0.8644, 4.4464,
0.0000

 147.2139,
220.9936, 109.7413

 0.0000, 1.9263,
0.0000

182.6326,

 0.0000, 0.5641,

267.8400, 140.5522

0.0000

223.3202,
320.8788, 176.6494

■ 0.0000, 0.0000,
0.0000

■ 24.8889, 48.4301,
12.4510

■ 24.8889, 48.4301,
12.4510

■ 24.8899, 48.4320,
12.4516

■ 25.6806, 48.7850,
14.9562

■ 26.9502, 49.3703,
18.1441

■ 28.8242, 50.2516,
22.0643

■ 31.3748, 51.4651,
26.7595

■ 34.6635, 53.0420,
32.2689

■ 38.7448, 55.0094,
38.6291

■ 43.6677, 57.3920,
45.8742

■ 49.4772, 60.2123,
54.0366

■ 56.2150, 63.4911,
63.1469

Harmonies

Analogous

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



35.3655, 48.4301, 4.4185



24.8889, 48.4301, 12.4510



20.4564, 48.4301, 38.5575

Triad

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



24.8889, 48.4301, 12.4510



40.7716, 48.4301, 212.8487



84.6106, 48.4301, 25.9713

Complementary

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



24.8889, 48.4301, 12.4510



33.4828, 16.5969, 31.5774

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.



87.1040, 48.4301, 70.0138



24.8889, 48.4301, 12.4510



58.6512, 48.4301, 201.1231

Square

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



24.8889, 48.4301, 12.4510



27.9936, 48.4301, 165.2298



76.6597, 48.4301, 139.1639



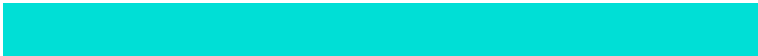
70.5149, 48.4301, 8.1515

Rectangle

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



24.8889, 48.4301, 12.4510



20.5151, 48.4301, 72.0060



76.6597, 48.4301, 139.1639



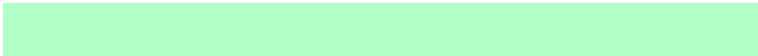
86.9502, 48.4301, 37.2467

Sweetspot

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



24.8900, 48.4321, 12.4521



64.6962, 85.2287, 67.8724



37.2545, 54.9035, 8.6341



13.1503, 17.9047, 13.5141



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.



24.8900, 48.4321, 12.4521



36.9523, 71.9969, 18.1984



31.0817, 50.9088, 45.0571



12.4065, 13.9536, 13.9551



15.0827, 29.2884, 7.7310



0.9452, 1.7807, 0.6533

Inverse Universe

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



33.4828, 16.5969, 31.5774



49.7158, 24.6503, 46.5631



28.2332, 14.4970, 3.9335



12.7951, 12.5695, 14.8610



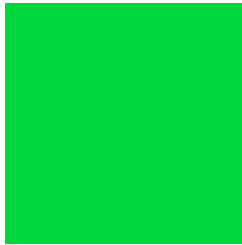
20.2840, 10.0499, 19.3317



1.2582, 0.6201, 1.3492

Previews

White Background



This preview shows how the XYZ color 24.8889, 48.4301, 12.4510 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 24.8889, 48.4301, 12.4510 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 24.8889, 48.4301, 12.4510

Background



This preview shows how black text looks on a background with the XYZ color 24.8889, 48.4301, 12.4510.



This preview shows how white text looks on a background with the XYZ color 24.8889, 48.4301,

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

24.8889, 48.4301, 12.4510

Protanopia

43.2367, 47.6598, 10.2886

Deuteranopia

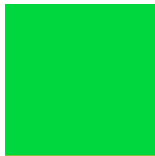
48.4355, 47.2879, 13.4121



Tritanopia

37.0734, 48.3411, 72.3425

Trichromacy



Original Color

24.8889, 48.4301, 12.4510



Protanomaly

29.5890, 44.1410, 10.7019



Deuteranomaly

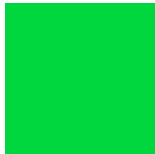
31.0120, 42.8699, 12.6014



Tritanomaly

29.8074, 47.0415, 40.7666

Monochromacy



Original Color

24.8889, 48.4301, 12.4510



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.3205, 28.8335, 18.4570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8889, 48.4301, 12.4510 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 61) }
```

Border

The CSS property to change the border of an element to XYZ 24.8889, 48.4301, 12.4510 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, 61) }
```


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

```
.border{ border-color:rgb(0, 214, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.8889, 48.4301, 12.4510 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, 61) }
```

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

```
.background{ background-color: rgb(0, 214,  
61) }
```

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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