

Converting Colors

XYZ(24.4409, 47.3061, 13.0049)

Have a look what the booklet for
XYZ(24.4409, 47.3061, 13.0049)
contains.

XYZ(24.5269, 47.4803, 13.0262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.5269, 47.4803,
13.0262)**

Conversions

Conversions Part 1

Format	Color
Hex	00D442
RGB	0, 212, 66
RGB Percent	0%, 83%, 26%
CMY	1.0000, 0.1686, 0.7412
CMYK	1.00, 0.00, 0.69, 0.17
HSL	139°, 100%, 42%
HSV	139°, 100%, 83%
XYZ	24.5269, 47.4803, 13.0262
YIQ	131.9680, -79.4860, -90.3500

Conversions

Conversions Part 2

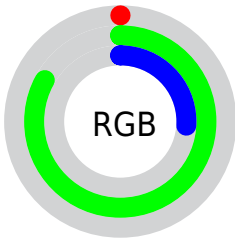
Format	Color
RYB	0, 162, 212
Decimal	54338
CIELab	74.50, -71.74, 57.48
CIELCh	74, 91.929, 141.299
Yxy	47.4803, 0.2884, 0.5584
Android (android.graphics.Color)	4278244418 (0xFF00D442)
YUV	131.9680, -32.5222, -115.7359
Hunter-Lab	68.9060, -57.0488, 37.0258

Details

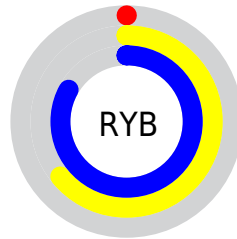
The XYZ color **24.5269, 47.4803, 13.0262** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.3415, 16.0734, 28.5953**, and the grayscale version is **22.0566, 23.2053, 25.2705**.

A 20% lighter version of the original color is **45.1550, 75.9646, 30.3719**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **24.5277, 47.4821, 13.0262**, and if you desaturate by 10%, it is **25.3286, 47.8387, 15.6061**.

Distribution



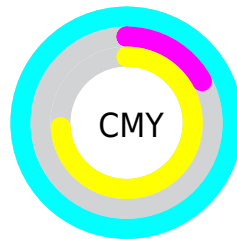
- Red (0%)
- Green (83%)
- Blue (26%)



- Red (0%)
- Yellow (64%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5269, 47.4803, 13.0262 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 24.5269, 47.4803, 13.0262 by changing the saturation by 10% instead.

■ 24.5269, 47.4803,
13.0262

■ 24.5269, 47.4803,
13.0262

267.8649,
376.7284, 222.2992

■ 15.8518, 33.4155,
7.3157

■ 50.3371, 86.4301,
32.0427

■ 9.5095, 22.4449,
3.5789

■ 68.2029, 112.0839,
46.1858

■ 5.1347, 14.1842,
1.3973

■ 89.8630, 142.3696,
63.9767

■ 2.3621, 8.2489,
0.1396

■ 115.6827,
177.6714, 85.8342

■ 0.8262, 4.2546,
0.0000

■ 146.0274,
218.3738, 112.1766

■ 0.0000, 1.8170,
0.0000

181.2624,

■ 0.0000, 0.4977,

264.8612, 143.4225

0.0000

221.7531,
317.5179, 179.9906

■ 0.0000, 0.0000,
0.0000

■ 24.5269, 47.4803,
13.0262

■ 24.5269, 47.4803,
13.0262

■ 24.5277, 47.4821,
13.0262

■ 25.3286, 47.8387,
15.6061

■ 26.5911, 48.4197,
18.8201

■ 28.4375, 49.2873,
22.7113

■ 30.9375, 50.4768,
27.3165

■ 34.1504, 52.0180,
32.6696

■ 38.1285, 53.9371,
38.8024

■ 42.9192, 56.2581,
45.7446

■ 48.5657, 59.0027,
53.5247

■ 55.1083, 62.1909,
62.1693

Harmonies

Analogous

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



34.5027, 47.4803, 4.7443



24.5269, 47.4803, 13.0262



20.3659, 47.4803, 39.0699

Triad

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



24.5269, 47.4803, 13.0262



40.4718, 47.4803, 204.8452



81.8614, 47.4803, 25.1027

Complementary

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



24.5269, 47.4803, 13.0262



32.3415, 16.0734, 28.5953

Split Complementary

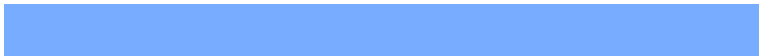
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5864, 47.4803, 66.7903



24.5269, 47.4803, 13.0262



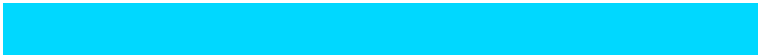
57.7388, 47.4803, 192.1229

Square

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



24.5269, 47.4803, 13.0262



27.9740, 47.4803, 160.8289



74.8900, 47.4803, 132.4660



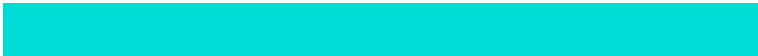
68.1627, 47.4803, 8.1491

Rectangle

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



24.5269, 47.4803, 13.0262



20.5140, 47.4803, 71.7481



74.8900, 47.4803, 132.4660



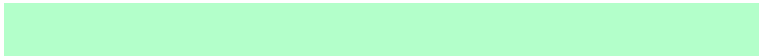
84.2051, 47.4803, 35.7814

Sweetspot

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



24.5280, 47.4823, 13.0273



64.9331, 85.3234, 69.1197



35.8307, 53.4226, 8.4234



13.2053, 17.9267, 13.8038



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.



24.5280, 47.4823, 13.0273



37.1853, 72.0901, 19.4255



30.7629, 49.9762, 45.8595



12.4201, 13.9590, 14.0265



15.1815, 29.3279, 8.2515



0.9525, 1.7837, 0.6918

Inverse Universe

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



32.3415, 16.0734, 28.5953



49.0386, 24.3794, 42.9967



27.5778, 14.1679, 3.5102



12.7808, 12.5638, 14.7859



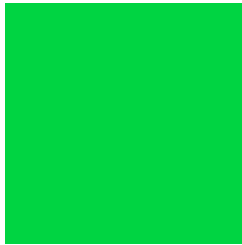
20.0119, 9.9411, 17.8988



1.2435, 0.6142, 1.2716

Previews

White Background



This preview shows how the XYZ color 24.5269, 47.4803, 13.0262 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 24.5269, 47.4803, 13.0262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

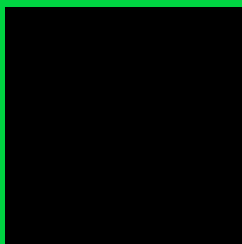
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5269, 47.4803, 13.0262

Background



This preview shows how black text looks on a background with the XYZ color 24.5269, 47.4803, 13.0262.



This preview shows how white text looks on a background with the XYZ color 24.5269, 47.4803,

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

24.5269, 47.4803, 13.0262

Protanopia

42.1203, 46.4579, 10.7503

Deuteranopia

47.4062, 46.4592, 13.8661



Tritanopia

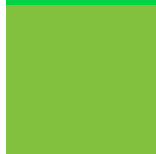
36.1694, 47.2216, 70.8267

Trichromacy



Original Color

24.5269, 47.4803, 13.0262



Protanomaly

28.9655, 43.1440, 11.2159



Deuteranomaly

30.3340, 41.8747, 12.9624



Tritanomaly

29.2766, 46.0622, 40.6056

Monochromacy



Original Color

24.5269, 47.4803, 13.0262



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.1078, 28.4573, 18.6731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5269, 47.4803, 13.0262 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, 212, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 66)  
}
```

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, 212, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 66) }
```

Border

The CSS property to change the border of an element to XYZ 24.5269, 47.4803, 13.0262 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, 212, 66) }
```


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

```
.border{ border-color:rgb(0, 212, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.5269, 47.4803, 13.0262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 66) }
```

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

```
.background{ background-color: rgb(0, 212,  
66) }
```

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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