

Converting Colors

XYZ(24.3870, 46.2359, 15.9507)

Have a look what the booklet for
XYZ(24.3870, 46.2359, 15.9507)
contains.

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Color

**XYZ(24.4007, 46.2410,
16.0269)**

Conversions

Conversions Part 1

Format	Color
Hex	00D154
RGB	0, 209, 84
RGB Percent	0%, 82%, 33%
CMY	1.0000, 0.1804, 0.6706
CMYK	1.00, 0.00, 0.60, 0.18
HSL	144°, 100%, 41%
HSV	144°, 100%, 82%
XYZ	24.4007, 46.2410, 16.0269
YIQ	132.2590, -84.4390, -83.1830

Conversions

Conversions Part 2

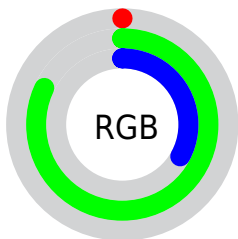
Format	Color
RYB	0, 149, 209
Decimal	53588
CIELab	73.70, -68.87, 49.06
CIELCh	74, 84.554, 144.535
Yxy	46.2410, 0.2815, 0.5335
Android (android.graphics.Color)	4278243668 (0xFF00D154)
YUV	132.2590, -23.7917, -115.9911
Hunter-Lab	68.0007, -54.9501, 33.6266

Details

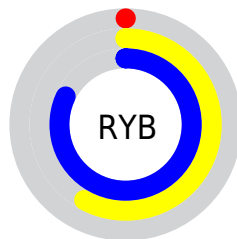
The XYZ color **24.4007, 46.2410, 16.0269** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **29.9977, 15.0369, 20.7259**, and the grayscale version is **22.1324, 23.2850, 25.3573**.

A 20% lighter version of the original color is **45.9843, 76.2692, 35.9647**, and **11.6256, 22.8762, 5.0311** is the 20% darker color. If you saturate the color by 10%, you get **24.4015, 46.2428, 16.0270**, and if you desaturate by 10%, it is **25.2433, 46.6150, 18.8556**.

Distribution



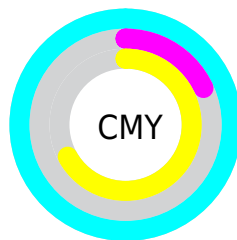
- Red (0%)
- Green (82%)
- Blue (33%)



- Red (0%)
- Yellow (58%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4007, 46.2410, 16.0269 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 24.4007, 46.2410, 16.0269 by changing the saturation by 10% instead.

■ 24.4007, 46.2410,
16.0269

■ 24.4007, 46.2410,
16.0269

267.2431,
371.7767, 241.3515

■ 15.7575, 32.4360,
9.3886

■ 50.1332, 84.5796,
37.4123

■ 9.4425, 21.6948,
4.8953

■ 67.9532, 109.8820,
52.9966

■ 5.0903, 13.6328,
2.1283

■ 89.5629, 139.7856,
72.3999

■ 2.3356, 7.8657,
0.6325

■ 115.3275,
174.6749, 96.0408

■ 0.8128, 4.0091,
0.0000

■ 145.6125,
214.9343, 124.3379

■ 0.0000, 1.6787,
0.0000

180.7832,

■ 0.0000, 0.4098,

260.9481, 157.7097

0.0000

221.2049,
313.1008, 196.5747

■ 0.0000, 0.0000,
0.0000

■ 24.4007, 46.2410,
16.0269

■ 24.4007, 46.2410,
16.0269

■ 24.4015, 46.2428,
16.0270

■ 25.2433, 46.6150,
18.8556

■ 26.5089, 47.1951,
22.1817

■ 28.3149, 48.0428,
26.0328

■ 30.7261, 49.1909,
30.4316

■ 33.7973, 50.6674,
35.3994

■ 37.5773, 52.4970,
40.9562

■ 42.1097, 54.7018,
47.1209

■ 47.4347, 57.3021,
53.9117

■ 53.5894, 60.3168,
61.3459

Harmonies

Analogous

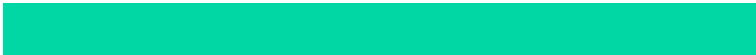
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0318, 46.2410, 6.3941



24.4007, 46.2410, 16.0269



21.0426, 46.2410, 42.8860

Triad

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



24.4007, 46.2410, 16.0269



41.2612, 46.2410, 185.4059



75.7459, 46.2410, 23.2536

Complementary

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



24.4007, 46.2410, 16.0269



29.9977, 15.0369, 20.7259

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.



79.3557, 46.2410, 58.6303



24.4007, 46.2410, 16.0269



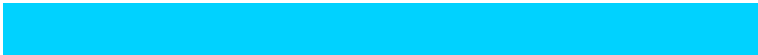
57.0441, 46.2410, 169.0283

Square

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



24.4007, 46.2410, 16.0269



29.2538, 46.2410, 152.0005



71.8665, 46.2410, 115.0673



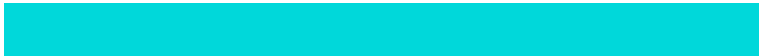
62.8931, 46.2410, 8.5942

Rectangle

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



24.4007, 46.2410, 16.0269



21.5308, 46.2410, 74.0468



71.8665, 46.2410, 115.0673



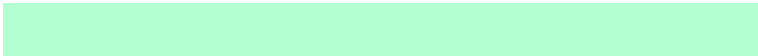
78.1875, 46.2410, 32.3375

Sweetspot

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



24.4018, 46.2429, 16.0280



65.7741, 85.6599, 73.5485



31.3181, 49.9932, 7.9992



13.4016, 18.0052, 14.8376



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.



24.4018, 46.2429, 16.0280



38.1824, 72.4890, 24.6763



31.8898, 49.2381, 55.4589



11.8504, 13.2839, 13.5684



15.0905, 28.5291, 10.1228



0.8826, 1.6107, 0.7703

Inverse Universe

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



29.9977, 15.0369, 20.7259



46.9497, 23.5439, 31.9971



26.4301, 13.6098, 1.9389



12.1013, 11.9252, 13.8091



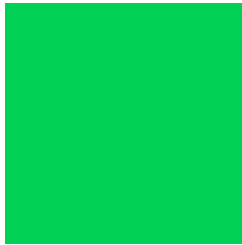
18.5447, 9.2907, 13.0405



1.0756, 0.5349, 0.9328

Previews

White Background



This preview shows how the XYZ color 24.4007, 46.2410, 16.0269 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 24.4007, 46.2410, 16.0269 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

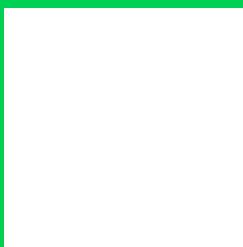
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4007, 46.2410, 16.0269

Background



This preview shows how black text looks on a background with the XYZ color 24.4007, 46.2410, 16.0269.



This preview shows how white text looks on a background with the XYZ color 24.4007, 46.2410,

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

24.4007, 46.2410, 16.0269

Protanopia

41.4107, 45.4299, 13.2429

Deuteranopia

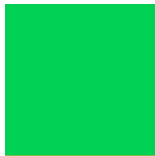
46.1437, 45.1677, 17.1127



Tritanopia

35.1909, 46.0723, 69.3254

Trichromacy



Original Color

24.4007, 46.2410, 16.0269



Protanomaly

28.7583, 42.3237, 13.8613



Deuteranomaly

30.0525, 41.0287, 16.2329



Tritanomaly

29.1464, 45.2468, 42.7946

Monochromacy



Original Color

24.4007, 46.2410, 16.0269



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.3215, 28.2642, 20.6569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4007, 46.2410, 16.0269 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, 209, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 84)  
}
```

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, 209, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 84) }
```

Border

The CSS property to change the border of an element to XYZ 24.4007, 46.2410, 16.0269 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, 209, 84) }
```


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

```
.border{ border-color:rgb(0, 209, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.4007, 46.2410, 16.0269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 84) }
```

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

```
.background{ background-color: rgb(0, 209,  
84) }
```

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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