

Converting Colors

XYZ(24.0432, 46.1373, 14.0232)

Have a look what the booklet for
XYZ(24.0432, 46.1373, 14.0232)
contains.

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Color

**XYZ(24.0031, 46.0820,
13.9330)**

Conversions

Conversions Part 1

Format	Color
Hex	00D149
RGB	0, 209, 73
RGB Percent	0%, 82%, 29%
CMY	1.0000, 0.1804, 0.7137
CMYK	1.00, 0.00, 0.65, 0.18
HSL	141°, 100%, 41%
HSV	141°, 100%, 82%
XYZ	24.0031, 46.0820, 13.9330
YIQ	131.0050, -80.9080, -86.6040

Conversions

Conversions Part 2

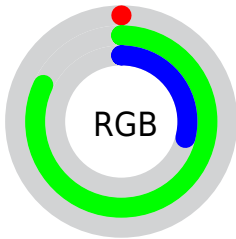
Format	Color
RYB	0, 155, 209
Decimal	53577
CIELab	73.60, -70.16, 53.70
CIELCh	74, 88.349, 142.571
Yxy	46.0820, 0.2857, 0.5485
Android (android.graphics.Color)	4278243657 (0xFF00D149)
YUV	131.0050, -28.5965, -114.8914
Hunter-Lab	67.8837, -55.6805, 35.3495

Details

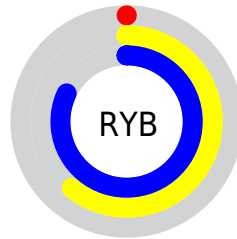
The XYZ color **24.0031, 46.0820, 13.9330** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.7400, 15.3337, 24.6343**, and the grayscale version is **21.6964, 22.8263, 24.8578**.

A 20% lighter version of the original color is **45.2997, 75.9954, 32.3597**, and **11.4460, 22.8044, 4.0856** is the 20% darker color. If you saturate the color by 10%, you get **24.0040, 46.0838, 13.9333**, and if you desaturate by 10%, it is **24.8129, 46.4428, 16.5890**.

Distribution



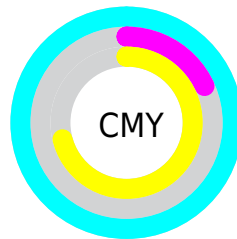
- Red (0%)
- Green (82%)
- Blue (29%)



- Red (0%)
- Yellow (61%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0031, 46.0820, 13.9330 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 24.0031, 46.0820, 13.9330 by changing the saturation by 10% instead.


 24.0031, 46.0820,
13.9330


 24.0031, 46.0820,
13.9330


265.2763,
371.1382, 228.2275


 15.4607, 32.3105,
7.9359


 49.4899, 84.3417,
33.6855


 9.2317, 21.5988,
3.9667


 67.1650, 109.5987,
48.2780


 4.9510, 13.5624,
1.6071


 88.6150, 139.4531,
66.5726

 2.2530, 7.8169,
0.2959

 114.2053,
174.2891, 88.9880

 0.7704, 3.9780,
0.0000

 144.3012,
214.4913, 115.9426

 0.0000, 1.6613,
0.0000

179.2681,

 0.0000, 0.3984,

260.4439, 147.8551

0.0000

219.4714,
312.5314, 185.1439

■ 0.0000, 0.0000,
0.0000

■ 24.0031, 46.0820,
13.9330

■ 24.0031, 46.0820,
13.9330

■ 24.0040, 46.0838,
13.9333

■ 24.8129, 46.4428,
16.5890

■ 26.0586, 47.0150,
19.8101

■ 27.8589, 47.8604,
23.6313

■ 30.2798, 49.0124,
28.0821

■ 33.3777, 50.4996,
33.1900

■ 37.2020, 52.3469,
38.9806

■ 41.7977, 54.5770,
45.4784

■ 47.2056, 57.2105,
52.7064

■ 53.4640, 60.2667,
60.6865

Harmonies

Analogous

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



33.2455, 46.0820, 5.2727



24.0031, 46.0820, 13.9330



20.2429, 46.0820, 39.8472

Triad

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



24.0031, 46.0820, 13.9330



40.0267, 46.0820, 193.1025



77.8327, 46.0820, 23.8555

Complementary

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



24.0031, 46.0820, 13.9330



30.7400, 15.3337, 24.6343

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.



80.8792, 46.0820, 62.1499



24.0031, 46.0820, 13.9330



56.3798, 46.0820, 179.0398

Square

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



24.0031, 46.0820, 13.9330



27.9526, 46.0820, 154.2852



72.2686, 46.0820, 122.7917



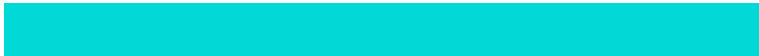
64.7268, 46.0820, 8.1601

Rectangle

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



24.0031, 46.0820, 13.9330



20.5241, 46.0820, 71.3411



72.2686, 46.0820, 122.7917



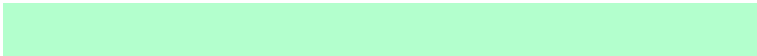
80.1764, 46.0820, 33.6743

Sweetspot

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



24.0042, 46.0839, 13.9340



65.2810, 85.4626, 70.9520



33.5054, 51.1209, 8.1016



13.2864, 17.9591, 14.2305



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.



24.0042, 46.0839, 13.9340



37.5659, 72.2424, 21.4299



30.4581, 48.6655, 47.9199



11.8244, 13.2735, 13.4315



14.8419, 28.4297, 8.8135



0.8670, 1.6045, 0.6884

Inverse Universe

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



30.7400, 15.3337, 24.6343



48.1169, 24.0108, 38.1433



26.5966, 13.6764, 2.8157



12.1281, 11.9360, 13.9505



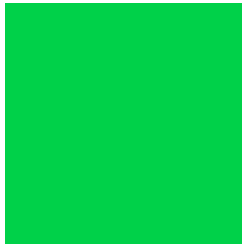
19.0006, 9.4731, 15.4413



1.0992, 0.5444, 1.0569

Previews

White Background



This preview shows how the XYZ color 24.0031, 46.0820, 13.9330 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 24.0031, 46.0820, 13.9330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

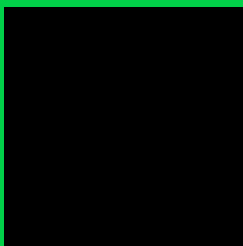
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

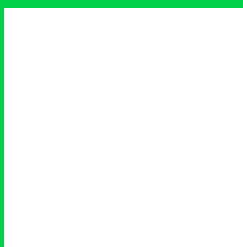
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0031, 46.0820, 13.9330

Background



This preview shows how black text looks on a background with the XYZ color 24.0031, 46.0820, 13.9330.



This preview shows how white text looks on a background with the XYZ color 24.0031, 46.0820,

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

24.0031, 46.0820, 13.9330

Protanopia

41.0948, 45.3035, 11.5796

Deuteranopia

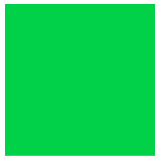
46.0214, 45.1538, 14.8843



Tritanopia

35.1540, 46.0678, 68.6672

Trichromacy



Original Color

24.0031, 46.0820, 13.9330



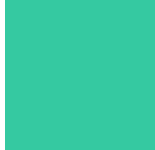
Protanomaly

28.4266, 42.1910, 12.1143



Deuteranomaly

29.8187, 40.9547, 14.1180



Tritanomaly

28.7879, 45.1034, 40.9068

Monochromacy



Original Color

24.0031, 46.0820, 13.9330



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.7799, 27.7611, 19.1205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0031, 46.0820, 13.9330 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 73) }
```

Border

The CSS property to change the border of an element to XYZ 24.0031, 46.0820, 13.9330 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, 73) }
```


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

```
.border{ border-color:rgb(0, 209, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0031, 46.0820, 13.9330 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, 73) }
```

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

```
.background{ background-color: rgb(0, 209,  
73) }
```

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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