

Converting Colors

XYZ(23.8482, 47.6144, 8.0197)

Have a look what the booklet for
XYZ(23.8482, 47.6144, 8.0197)
contains.

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Color

**XYZ(23.8482, 47.6144,
8.0197)**

Conversions

Conversions Part 1

Format	Color
Hex	03D503
RGB	3, 213, 3
RGB Percent	1%, 84%, 1%
CMY	0.9882, 0.1647, 0.9881
CMYK	0.99, 0.00, 0.99, 0.16
HSL	120°, 97%, 42%
HSV	120°, 99%, 84%
XYZ	23.8482, 47.6144, 8.0197
YIQ	126.2700, -57.7500, -109.8300

Conversions

Conversions Part 2

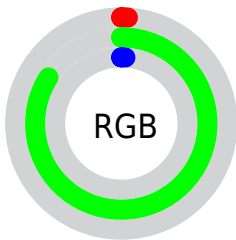
Format	Color
RYB	3, 213, 213
Decimal	251139
CIELab	74.58, -75.07, 72.34
CIElCh	75, 104.254, 136.063
Yxy	47.6144, 0.3000, 0.5991
Android (android.graphics.Color)	4278441219 (0xFF03D503)
YUV	126.2700, -60.7721, -108.1078
Hunter-Lab	69.0032, -59.0642, 41.4114

Details

The XYZ color **23.8482, 47.6144, 8.0197** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **39.4815, 19.0147, 64.5244**, and the grayscale version is **20.1397, 21.1886, 23.0744**.

A 20% lighter version of the original color is **43.6669, 75.4113, 20.6419**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.7954, 47.5905, 7.9325**, and if you desaturate by 10%, it is **24.3473, 47.8556, 8.8357**.

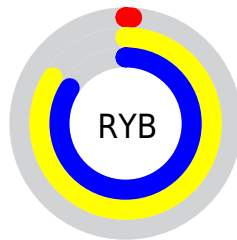
Distribution



Red (1%)

Green (84%)

Blue (1%)



Red (1%)

Yellow (84%)

Blue (84%)

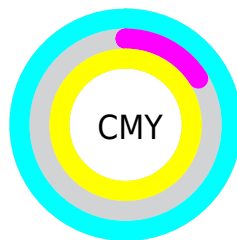


Cyan (99%)

Magenta (0%)

Yellow (99%)

Black (16%)



Cyan (99%)


Magenta (16%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8482, 47.6144, 8.0197 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 23.8482, 47.6144, 8.0197 by changing the saturation by 10% instead.


 23.8482, 47.6144,
8.0197


 23.8482, 47.6144,
8.0197


264.5069,
377.2617, 185.8268


 15.3452, 33.5216,
4.0196


 49.2389, 86.6300,
22.5439


 9.1499, 22.5263,
1.6361


 66.8572, 112.3216,
33.9050

 4.8970, 14.2442,
0.3164


 88.2447, 142.6483,
48.5569

 2.2211, 8.2907,
0.0000

 113.7667,
177.9945, 66.9181

 0.7538, 4.2815,
0.0000

 143.7885,
218.7445, 89.4072

 0.0000, 1.8322,
0.0000

 178.6756,

 0.0000, 0.5072,

265.2828, 116.4426

0.0000

218.7933,
317.9937, 148.4430

■ 0.0000, 0.0000,
0.0000

■ 23.8482, 47.6144,
8.0197

■ 23.8482, 47.6144,
8.0197

■ 23.7954, 47.5905,
7.9325

■ 24.3473, 47.8556,
8.8357

■ 25.3896, 48.3562,
10.5413

■ 27.1137, 49.1844,
13.3618

■ 29.6090, 50.3830,
17.4438

■ 32.9516, 51.9886,
22.9114

■ 37.2083, 54.0333,
29.8740

■ 42.4394, 56.5461,
38.4301

■ 48.6998, 59.5533,
48.6698

■ 56.0407, 63.0795,
60.6763

Harmonies

Analogous

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



35.9479, 47.6144, 2.3890



23.8482, 47.6144, 8.0197



18.4014, 47.6144, 30.6424

Triad

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



23.8482, 47.6144, 8.0197



37.0739, 47.6144, 232.0010



89.7972, 47.6144, 28.0956

Complementary

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



23.8482, 47.6144, 8.0197



39.4815, 19.0147, 64.5244

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.



90.3481, 47.6144, 81.0869



23.8482, 47.6144, 8.0197



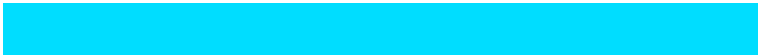
56.0464, 47.6144, 229.3039

Square

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



23.8482, 47.6144, 8.0197



24.4742, 47.6144, 168.3079



76.7033, 47.6144, 162.4057



75.3591, 47.6144, 7.2600

Rectangle

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



23.8482, 47.6144, 8.0197



17.9310, 47.6144, 63.6017



76.7033, 47.6144, 162.4057



91.7256, 47.6144, 41.6327

Sweetspot

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



23.8493, 47.6164, 8.0208



62.3222, 84.2791, 55.3712



51.2533, 61.7437, 9.3025



12.6071, 17.6874, 10.6538



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.



23.8493, 47.6164, 8.0208



35.7602, 71.5201, 11.9210



26.5396, 48.6925, 22.1874



12.2625, 13.8960, 13.1969



14.5347, 29.0692, 4.8455



0.8767, 1.7533, 0.2924

Inverse Universe

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



39.4815, 19.0147, 64.5244



59.2846, 28.4779, 96.9518



30.1810, 15.2945, 15.5490



12.9530, 12.6327, 15.6928



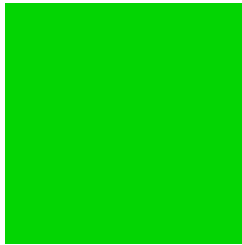
24.0962, 11.5748, 39.4062



1.4534, 0.6981, 2.3769

Previews

White Background



This preview shows how the XYZ color 23.8482, 47.6144, 8.0197 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 23.8482, 47.6144, 8.0197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

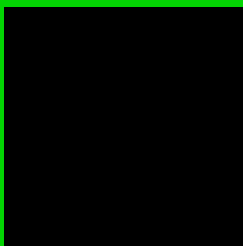
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

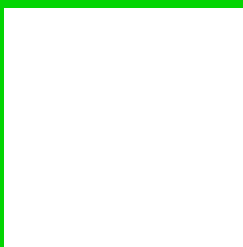
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8482, 47.6144, 8.0197

Background



This preview shows how black text looks on a background with the XYZ color 23.8482, 47.6144, 8.0197.



This preview shows how white text looks on a background with the XYZ color 23.8482, 47.6144,

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

23.8482, 47.6144, 8.0197

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

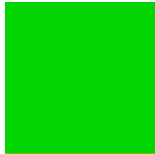
47.7498, 46.7424, 9.0903



Tritanopia

36.4515, 47.3671, 70.8399

Trichromacy



Original Color

23.8482, 47.6144, 8.0197



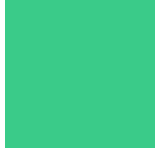
Protanomaly

28.5912, 43.0477, 6.8308



Deuteranomaly

30.2502, 42.2632, 7.7916



Tritanomaly

27.6162, 45.4176, 30.9779

Monochromacy



Original Color

23.8482, 47.6144, 8.0197



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.1054, 26.7971, 12.0554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8482, 47.6144, 8.0197 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(3, 213, 3)` looks like.

```
.text, #text, p{  
    color:rgb(3, 213, 3)  
}
```

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(3, 213, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 213, 3) }
```

Border

The CSS property to change the border of an element to XYZ 23.8482, 47.6144, 8.0197 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(3, 213, 3) }
```


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

```
.border{ border-color:rgb(3, 213, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 213, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 213, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 213, 3); box-shadow:4px  
4px 4px 4px rgb(3, 213, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8482, 47.6144, 8.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 213, 3) }
```

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

```
.background{ background-color: rgb(3, 213,  
3) }
```

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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