

Converting Colors

XYZ(24.3226, 47.8747, 8.6676)

Have a look what the booklet for
XYZ(24.3226, 47.8747, 8.6676)
contains.

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Color

**XYZ(24.3063, 47.8368,
8.6618)**

Conversions

Conversions Part 1

Format	Color
Hex	18D515
RGB	24, 213, 21
RGB Percent	9%, 84%, 8%
CMY	0.9059, 0.1647, 0.9176
CMYK	0.89, 0.00, 0.90, 0.16
HSL	119°, 82%, 46%
HSV	119°, 90%, 84%
XYZ	24.3063, 47.8368, 8.6618
YIQ	134.6010, -51.0120, -99.7800

Conversions

Conversions Part 2

Format	Color
R _Y B	21, 213, 210
Decimal	1627413
CIE Lab	74.72, -73.67, 70.40
CIE LCh	75, 101.903, 136.302
Yxy	47.8368, 0.3008, 0.5920
Android (android.graphics.Color)	4279817493 (0xFF18D515)
YUV	134.6010, -56.0053, -96.9971
Hunter-Lab	69.1642, -58.3072, 40.9897

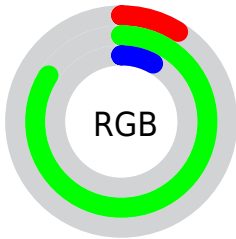
Details

The XYZ color **24.3063, 47.8368, 8.6618** 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 **38.8624, 19.0453, 64.5811**, and the grayscale version is **23.0972, 24.3001, 26.4628**.

A 20% lighter version of the original color is **44.4155, 75.7689, 21.9568**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **23.8367, 47.6118, 7.9337**, and if you desaturate by 10%, it is **25.2997, 48.3170, 10.2129**.

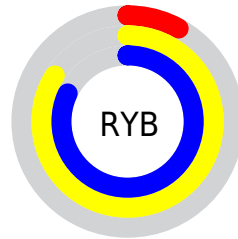
Distribution



Red (9%)

Green (84%)

Blue (8%)



Red (8%)

Yellow (84%)

Blue (82%)

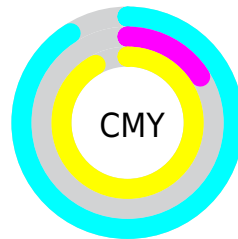


Cyan (89%)

Magenta (0%)

Yellow (90%)

Black (16%)



Cyan (91%)


Magenta (16%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3063, 47.8368, 8.6618 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 24.3063, 47.8368, 8.6618 by changing the saturation by 10% instead.


 24.3063, 47.8368,
8.6618


 24.3063, 47.8368,
8.6618


266.7772,
378.1449, 190.9587


 15.6870, 33.6977,
4.4275


 49.9806, 86.9614,
23.8132


 9.3923, 22.6614,
1.8627


 67.7663, 112.7156,
35.5674


 5.0571, 14.3437,
0.4688


 89.3382, 143.1103,
50.6652

 2.3159, 8.3601,
0.0000

 115.0615,
178.5299, 69.5253

 0.8028, 4.3262,
0.0000

 145.3017,
219.3587, 92.5662

 0.0000, 1.8577,
0.0000

 180.4242,

 0.0000, 0.5227,

265.9813, 120.2063

0.0000

220.7942,
318.7818, 152.8643

■ 0.0000, 0.0000,
0.0000

■ 24.3063, 47.8368,
8.6618

■ 24.3063, 47.8368,
8.6618

■ 23.8367, 47.6118,
7.9337

■ 25.2997, 48.3170,
10.2129

■ 26.9524, 49.1123,
12.8525

■ 29.3535, 50.2668,
16.7322

■ 32.5775, 51.8160,
21.9793

■ 36.6897, 53.7913,
28.7048

■ 41.7492, 56.2210,
37.0087

■ 47.8098, 59.1309,
46.9822

■ 54.9212, 62.5448,
58.7094

■ 63.1300, 66.4849,
72.2691

Harmonies

Analogous

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



36.2021, 47.8368, 2.7403



24.3063, 47.8368, 8.6618



18.9386, 47.8368, 31.5067

Triad

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



24.3063, 47.8368, 8.6618



37.5586, 47.8368, 226.7993



88.8284, 47.8368, 28.4186

Complementary

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



24.3063, 47.8368, 8.6618



38.8624, 19.0453, 64.5811

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.



89.4832, 47.8368, 80.1041



24.3063, 47.8368, 8.6618



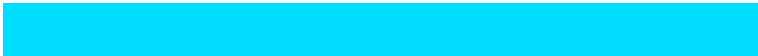
56.1924, 47.8368, 223.6227

Square

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



24.3063, 47.8368, 8.6618



25.0662, 47.8368, 165.7948



76.3122, 47.8368, 158.8191



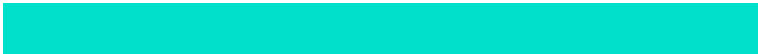
74.7109, 47.8368, 7.7101

Rectangle

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



24.3063, 47.8368, 8.6618



18.4979, 47.8368, 64.0777



76.3122, 47.8368, 158.8191



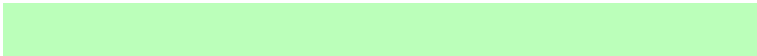
90.7396, 47.8368, 41.6925

Sweetspot

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



24.3074, 47.8388, 8.6629



65.1865, 85.6642, 59.6372



50.5754, 60.1973, 9.6638



13.3240, 18.0338, 11.7313



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.



24.3074, 47.8388, 8.6629



35.8097, 71.5456, 11.9223



27.1312, 48.9605, 23.8832



12.2801, 13.9051, 13.1974



14.5679, 29.0863, 4.8464



0.8851, 1.7577, 0.2926

Inverse Universe

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



38.8624, 19.0453, 64.5811



57.8457, 27.7354, 96.9124



31.1130, 16.0447, 19.2930



12.9331, 12.6224, 15.6922



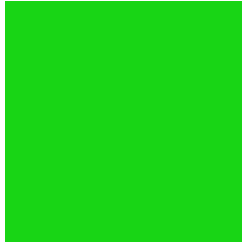
23.5258, 11.2805, 39.3906



1.4252, 0.6836, 2.3761

Previews

White Background



This preview shows how the XYZ color 24.3063, 47.8368, 8.6618 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 24.3063, 47.8368, 8.6618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

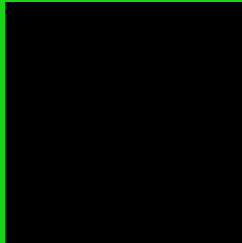
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3063, 47.8368, 8.6618

Background



This preview shows how black text looks on a background with the XYZ color 24.3063, 47.8368, 8.6618.



This preview shows how white text looks on a background with the XYZ color 24.3063, 47.8368,

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

24.3063, 47.8368, 8.6618

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

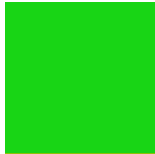
47.8324, 46.7754, 9.5251



Tritanopia

36.6461, 47.4674, 70.8490

Trichromacy



Original Color

24.3063, 47.8368, 8.6618



Protanomaly

30.1508, 44.1766, 7.1675



Deuteranomaly

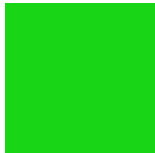
31.6759, 42.9829, 8.5465



Tritanomaly

28.7047, 45.9188, 33.7359

Monochromacy



Original Color

24.3063, 47.8368, 8.6618



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

19.8369, 29.4354, 15.2258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3063, 47.8368, 8.6618 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(24, 213, 21)` looks like.

```
.text, #text, p{  
    color:rgb(24, 213, 21)  
}
```

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(24, 213, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 213, 21) }
```

Border

The CSS property to change the border of an element to XYZ 24.3063, 47.8368, 8.6618 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(24, 213, 21) }
```


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

```
.border{ border-color:rgb(24, 213, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 213, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 213, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 213, 21);  
box-shadow:4px 4px 4px 4px rgb(24, 213,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3063, 47.8368, 8.6618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 213, 21) }
```

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

```
.background{ background-color: rgb(24, 213,  
21) }
```

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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