

Converting Colors

XYZ(24.3600, 47.3468, 8.7216)

Have a look what the booklet for
XYZ(24.3600, 47.3468, 8.7216)
contains.

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Color

**XYZ(24.4713, 47.5462,
8.7517)**

Conversions

Conversions Part 1

Format	Color
Hex	25D418
RGB	37, 212, 24
RGB Percent	15%, 83%, 9%
CMY	0.8549, 0.1686, 0.9058
CMYK	0.83, 0.00, 0.89, 0.17
HSL	116°, 80%, 46%
HSV	116°, 89%, 83%
XYZ	24.4713, 47.5462, 8.7517
YIQ	138.2430, -43.9520, -95.5680

Conversions

Conversions Part 2

Format	Color
RYB	24, 212, 199
Decimal	2479128
CIELab	74.54, -72.16, 69.79
CIELCh	75, 100.389, 135.959
Yxy	47.5462, 0.3030, 0.5887
Android (android.graphics.Color)	4280669208 (0xFF25D418)
YUV	138.2430, -56.3218, -88.7901
Hunter-Lab	68.9538, -57.3204, 40.7425

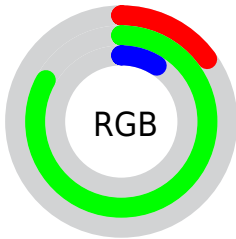
Details

The XYZ color **24.4713, 47.5462, 8.7517** is a dark color, and the websafe version is hex **00CC00**.

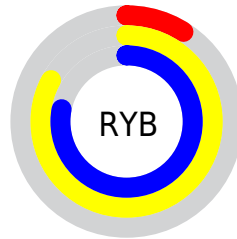
The color can be described as dark washed green. A complement of this color would be **35.7686, 17.5518, 63.7925**, and the grayscale version is **24.4725, 25.7470, 28.0385**.

A 20% lighter version of the original color is **44.9844, 76.0572, 22.2071**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.7958, 47.2166, 7.9403**, and if you desaturate by 10%, it is **25.6946, 48.1421, 10.4424**.

Distribution



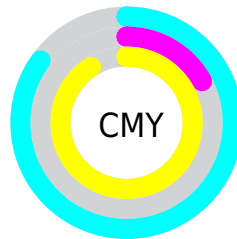
- Red (15%)
- Green (83%)
- Blue (9%)



- Red (9%)
- Yellow (83%)
- Blue (78%)



- Cyan (83%)
- Magenta (0%)
- Yellow (89%)
- Black (17%)



- Cyan (85%)
- Magenta (17%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4713, 47.5462, 8.7517 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 24.4713, 47.5462, 8.7517 by changing the saturation by 10% instead.

■ 24.4713, 47.5462,
8.7517

■ 24.4713, 47.5462,
8.7517

267.5911,
376.9905, 191.6640

■ 15.8102, 33.4677,
4.4850

■ 50.2473, 86.5284,
23.9895

■ 9.4800, 22.4849,
1.8950

■ 68.0929, 112.2008,
35.7976

■ 5.1151, 14.2137,
0.4895

■ 89.7308, 142.5066,
50.9566

■ 2.3504, 8.2694,
0.0000

■ 115.5263,
177.8302, 69.8851

■ 0.8203, 4.2678,
0.0000

■ 145.8447,
218.5560, 93.0015

■ 0.0000, 1.8245,
0.0000

■ 181.0514,

■ 0.0000, 0.5024,

265.0684, 120.7244

0.0000

221.5117,
317.7518, 153.4724

■ 0.0000, 0.0000,
0.0000

■ 24.4713, 47.5462,
8.7517

■ 24.4713, 47.5462,
8.7517

■ 23.7958, 47.2166,
7.9403

■ 25.6946, 48.1421,
10.4424

■ 23.7357, 47.1875,
7.8571

■ 27.5582, 49.0430,
13.2323

■ 30.1357, 50.2851,
17.2667

■ 33.4897, 51.8981,
22.6680

■ 37.6761, 53.9084,
29.5441

■ 42.7453, 56.3399,
37.9918

■ 48.7439, 59.2148,
48.1000

■ 55.7154, 62.5537,
59.9509

■ 63.7002, 66.3757,
73.6210

Harmonies

Analogous

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



36.2643, 47.5462, 2.8785



24.4713, 47.5462, 8.7517



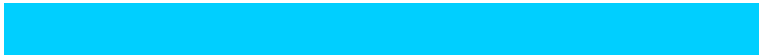
19.0988, 47.5462, 31.1220

Triad

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



24.4713, 47.5462, 8.7517



37.2472, 47.5462, 221.6916



87.6993, 47.5462, 28.8768

Complementary

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



24.4713, 47.5462, 8.7517



35.7686, 17.5518, 63.7925

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.



88.1705, 47.5462, 79.9790



24.4713, 47.5462, 8.7517



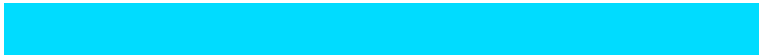
55.4747, 47.5462, 219.4164

Square

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



24.4713, 47.5462, 8.7517



25.0241, 47.5462, 161.8760



75.1830, 47.5462, 156.8708



74.0294, 47.5462, 8.0483

Rectangle

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



24.4713, 47.5462, 8.7517



18.6222, 47.5462, 62.8476



75.1830, 47.5462, 156.8708



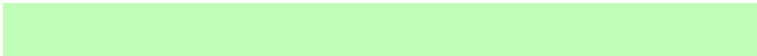
89.5098, 47.5462, 42.0767

Sweetspot

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



24.4724, 47.5482, 8.7528



66.1012, 86.1358, 59.6800



47.1337, 53.6961, 8.7450



13.5320, 18.1410, 11.7411



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.



24.4724, 47.5482, 8.7528



36.0023, 71.6449, 11.9313



26.3367, 48.2493, 20.5846



12.3411, 13.9365, 13.2003



14.6835, 29.1459, 4.8518



0.9141, 1.7726, 0.2940

Inverse Universe

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



35.7686, 17.5518, 63.7925



53.1032, 25.2906, 96.6905



31.7598, 16.3636, 23.9199



12.8644, 12.5870, 15.6890



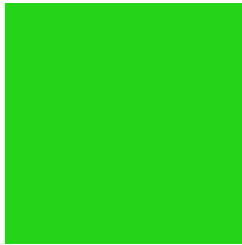
21.6438, 10.3103, 39.3025



1.3314, 0.6353, 2.3718

Previews

White Background



This preview shows how the XYZ color 24.4713, 47.5462, 8.7517 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 24.4713, 47.5462, 8.7517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

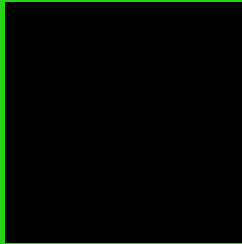
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4713, 47.5462, 8.7517

Background



This preview shows how black text looks on a background with the XYZ color 24.4713, 47.5462, 8.7517.



This preview shows how white text looks on a background with the XYZ color 24.4713, 47.5462,

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

24.4713, 47.5462, 8.7517

Protanopia

41.9652, 46.4592, 7.0723

Deuteranopia

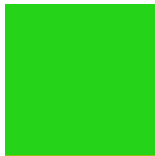
47.3450, 46.2380, 9.5615



Tritanopia

36.5926, 47.1163, 70.1165

Trichromacy



Original Color

24.4713, 47.5462, 8.7517



Protanomaly

30.6651, 44.1066, 7.3874



Deuteranomaly

32.4686, 43.0717, 8.7002



Tritanomaly

28.9022, 45.6711, 33.6777

Monochromacy



Original Color

24.4713, 47.5462, 8.7517



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.9796, 30.5400, 16.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4713, 47.5462, 8.7517 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(37, 212, 24)` looks like.

```
.text, #text, p{  
    color:rgb(37, 212, 24)  
}
```

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(37, 212, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 212, 24) }
```

Border

The CSS property to change the border of an element to XYZ 24.4713, 47.5462, 8.7517 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(37, 212, 24) }
```


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

```
.border{ border-color:rgb(37, 212, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 212, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 212, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 212, 24);  
box-shadow:4px 4px 4px 4px rgb(37, 212,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4713, 47.5462, 8.7517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 212, 24) }
```

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

```
.background{ background-color: rgb(37, 212,  
24) }
```

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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