

Converting Colors

XYZ(24.7862, 48.5496, 8.0647)

Have a look what the booklet for
XYZ(24.7862, 48.5496, 8.0647)
contains.

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Color

**XYZ(24.7397, 48.4505,
8.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	23D600
RGB	35, 214, 0
RGB Percent	14%, 84%, 0%
CMY	0.8628, 0.1608, 0.9999
CMYK	0.84, 0.00, 1.00, 0.16
HSL	110°, 100%, 42%
HSV	110°, 100%, 84%
XYZ	24.7397, 48.4505, 8.0480
YIQ	136.0830, -37.9900, -104.5020

Conversions

Conversions Part 2

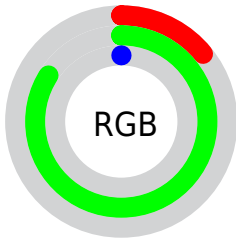
Format	Color
RYB	0, 214, 179
Decimal	2348544
CIELab	75.11, -73.46, 73.15
CIELCh	75, 103.671, 135.123
Yxy	48.4505, 0.3045, 0.5964
Android (android.graphics.Color)	4280538624 (0xFF23D600)
YUV	136.0830, -67.0889, -88.6498
Hunter-Lab	69.6064, -58.3682, 41.8693

Details

The XYZ color **24.7397, 48.4505, 8.0480** 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 **30.7364, 14.4435, 64.7889**, and the grayscale version is **23.6888, 24.9225, 27.1406**.

A 20% lighter version of the original color is **44.6964, 75.9420, 20.6900**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **24.7399, 48.4521, 8.0483**, and if you desaturate by 10%, it is **25.6500, 48.9051, 8.8182**.

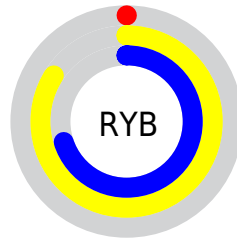
Distribution



Red (14%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (70%)

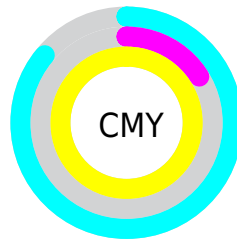


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (86%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7397, 48.4505, 8.0480 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 24.7397, 48.4505, 8.0480 by changing the saturation by 10% instead.


 24.7397, 48.4505,
8.0480


 24.7397, 48.4505,
8.0480


268.9108,
380.5750, 186.0567


 16.0109, 34.1838,
4.0375

 50.6806, 87.8748,
22.6002


 9.6228, 23.0348,
1.6459


 68.6234, 113.8011,
33.9790

 5.2099, 14.6192,
0.3233


 90.3682, 144.3828,
48.6509

 2.4070, 8.5526,
0.0000

 116.2805,
180.0042, 67.0345

 0.8486, 4.4505,
0.0000

 146.7255,
221.0497, 89.5483

 0.0000, 1.9286,
0.0000

 182.0687,

 0.0000, 0.5655,

267.9038, 116.6109

0.0000

222.6753,
320.9508, 148.6409

■ 0.0000, 0.0000,
0.0000

■ 24.7397, 48.4505,
8.0480

■ 24.7397, 48.4505,
8.0480

■ 24.7399, 48.4521,
8.0483

■ 25.6500, 48.9051,
8.8182

■ 27.0647, 49.6005,
10.4164

■ 29.0713, 50.5773,
13.1149

■ 31.7290, 51.8628,
17.0642

■ 35.0895, 53.4807,
22.3915

■ 39.1990, 55.4526,
29.2082

■ 44.0999, 57.7982,
37.6144

■ 49.8312, 60.5354,
47.7016

■ 56.4294, 63.6814,
59.5542

Harmonies

Analogous

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



37.1759, 48.4505, 2.5208



24.7397, 48.4505, 8.0480



19.0308, 48.4505, 30.2250

Triad

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



24.7397, 48.4505, 8.0480



37.3075, 48.4505, 231.7849



90.9935, 48.4505, 29.9266

Complementary

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



24.7397, 48.4505, 8.0480



30.7364, 14.4435, 64.7889

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.



91.0575, 48.4505, 84.3714



24.7397, 48.4505, 8.0480



56.2363, 48.4505, 231.4730

Square

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



24.7397, 48.4505, 8.0480



24.8131, 48.4505, 166.7825



77.0312, 48.4505, 166.0988



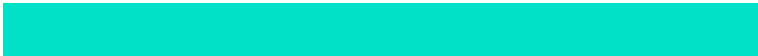
76.8750, 48.4505, 7.9576

Rectangle

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



24.7397, 48.4505, 8.0480



18.4396, 48.4505, 62.6421



77.0312, 48.4505, 166.0988



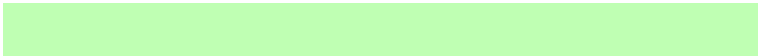
92.7644, 48.4505, 43.9660

Sweetspot

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



24.7408, 48.4525, 8.0491



65.3327, 85.8312, 55.5069



43.7213, 46.2736, 6.6281



13.2915, 18.0402, 10.6846



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.



24.7408, 48.4525, 8.0491



36.7016, 72.0054, 11.9641



25.1966, 48.5548, 14.0648



12.4496, 13.9925, 13.2054



15.0114, 29.3150, 4.8672



0.9653, 1.7990, 0.2964

Inverse Universe

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



30.7364, 14.4435, 64.7889



45.5847, 21.4147, 96.3386



32.6666, 16.2708, 27.2779



12.7445, 12.5252, 15.6834



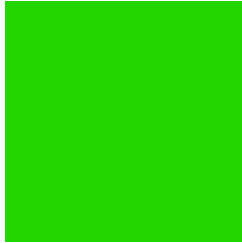
18.6515, 8.7677, 39.1624



1.1793, 0.5569, 2.3646

Previews

White Background



This preview shows how the XYZ color 24.7397, 48.4505, 8.0480 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 24.7397, 48.4505, 8.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

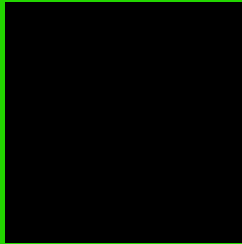
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7397, 48.4505, 8.0480

Background



This preview shows how black text looks on a background with the XYZ color 24.7397, 48.4505, 8.0480.



This preview shows how white text looks on a background with the XYZ color 24.7397, 48.4505,

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

24.7397, 48.4505, 8.0480

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

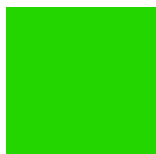
48.2623, 47.2924, 9.1694



Tritanopia

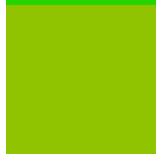
37.4085, 48.1860, 71.6192

Trichromacy



Original Color

24.7397, 48.4505, 8.0480



Protanomaly

31.0167, 44.9595, 7.0433



Deuteranomaly

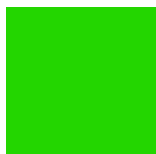
32.7174, 43.8548, 7.9028



Tritanomaly

28.8559, 46.4083, 31.1038

Monochromacy



Original Color

24.7397, 48.4505, 8.0480



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.1413, 29.8917, 13.7249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7397, 48.4505, 8.0480 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(35, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 214, 0)  
}
```

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(35, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.7397, 48.4505, 8.0480 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(35, 214, 0) }
```


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

```
.border{ border-color:rgb(35, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(35, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(35, 214, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7397, 48.4505, 8.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 214, 0) }
```

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

```
.background{ background-color: rgb(35, 214,  
0) }
```

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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