

# Converting Colors

XYZ(24.5096, 41.7733, 8.7011)

Have a look what the booklet for  
XYZ(24.5096, 41.7733, 8.7011)  
contains.

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# Color

**XYZ(24.6203, 41.9535,  
8.7197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DC427
RGB	93, 196, 39
RGB Percent	36%, 77%, 15%
CMY	0.6353, 0.2314, 0.8470
CMYK	0.53, 0.00, 0.80, 0.23
HSL	99°, 67%, 46%
HSV	99°, 80%, 77%
XYZ	24.6203, 41.9535, 8.7197
YIQ	147.3050, -10.9910, -70.6630

# Conversions

## Conversions Part 2

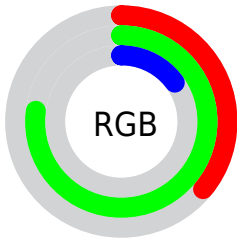
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 196, 142
Decimal	6145063
CIE <sub>Lab</sub>	70.84, -55.58, 63.51
CIE <sub>LCh</sub>	71, 84.397, 131.186
Yxy	41.9535, 0.3270, 0.5572
Android (android.graphics.Color)	4284335143 (0xFF5DC427)
YUV	147.3050, -53.3944, -47.6255
Hunter-Lab	64.7715, -45.5005, 37.3583

# Details

The XYZ color **24.6203, 41.9535, 8.7197** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **21.8475, 11.1891, 53.2351**, and the grayscale version is **28.0783, 29.5406, 32.1697**.

A 20% lighter version of the original color is **50.2788, 77.8078, 23.9237**, and **9.7934, 19.1882, 3.1875** is the 20% darker color. If you saturate the color by 10%, you get **23.1819, 41.2416, 7.3731**, and if you desaturate by 10%, it is **26.4472, 42.8489, 10.9613**.

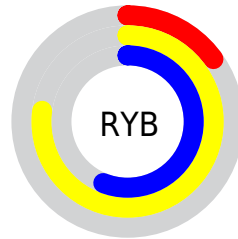
# Distribution



Red (36%)

Green (77%)

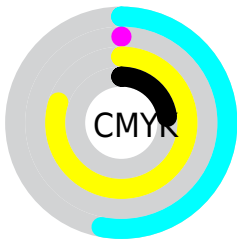
Blue (15%)



Red (15%)

Yellow (77%)

Blue (56%)

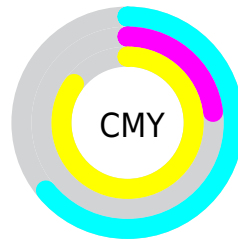


Cyan (53%)

Magenta (0%)

Yellow (80%)

Black (23%)



Cyan (64%)

Magenta (23%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6203, 41.9535, 8.7197 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 24.6203, 41.9535, 8.7197 by changing the saturation by 10% instead.



■ 24.6203, 41.9535,  
8.7197

■ 24.6203, 41.9535,  
8.7197

268.3243,  
354.2901, 191.4133

■ 15.9216, 29.0649,  
4.4645

■ 50.4879, 78.1292,  
23.9268

■ 9.5592, 19.1299,  
1.8835

■ 68.3875, 102.1852,  
35.7157

■ 5.1677, 11.7642,  
0.4822

■ 90.0849, 130.7323,  
50.8530

■ 2.3818, 6.5833,  
0.0000

■ 115.9452,  
164.1551, 69.7572

■ 0.8360, 3.2029,  
0.0000

■ 146.3340,  
202.8378, 92.8467

■ 0.0000, 1.2386,  
0.0000

■ 181.6166,

■ 0.0000, 0.0929,

247.1650, 120.5403

0.0000

222.1582,  
297.5210, 153.2563

■ 0.0000, 0.0000,  
0.0000

■ 24.6203, 41.9535,  
8.7197

■ 24.6203, 41.9535,  
8.7197

■ 23.1819, 41.2416,  
7.3731

■ 26.4472, 42.8489,  
10.9613

■ 22.0835, 40.6893,  
6.6899

■ 28.6927, 43.9368,  
14.2154

■ 31.3863, 45.2315,  
18.5843

■ 34.5541, 46.7445,  
24.1574

■ 38.2197, 48.4862,  
31.0149

■ 42.4051, 50.4663,  
39.2300

■ 47.1307, 52.6940,  
48.8704

■ 52.4161, 55.1779,  
59.9995

■ 58.2796, 57.9261,  
72.6766

# Harmonies

## Analogous

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



34.8683, 41.9535, 4.0804



24.6203, 41.9535, 8.7197



19.4052, 41.9535, 25.0224

# Triad

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



24.6203, 41.9535, 8.7197



31.7942, 41.9535, 164.7567



72.6205, 41.9535, 32.2731

# Complementary

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



24.6203, 41.9535, 8.7197



21.8475, 11.1891, 53.2351

# 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.



71.2444, 41.9535, 75.3953



24.6203, 41.9535, 8.7197



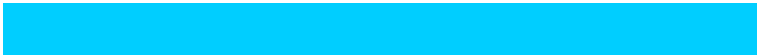
45.3405, 41.9535, 171.0912

# Square

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



24.6203, 41.9535, 8.7197



22.8261, 41.9535, 117.7680



60.4053, 41.9535, 131.9648



63.8140, 41.9535, 11.3573

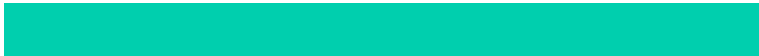


# Rectangle

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



24.6203, 41.9535, 8.7197



18.5307, 41.9535, 47.2983



60.4053, 41.9535, 131.9648



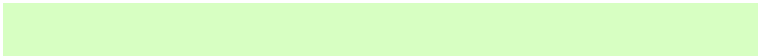
73.3787, 41.9535, 44.0995

# Sweetspot

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



24.6213, 41.9553, 8.7206



73.4545, 89.8300, 64.3887



32.6653, 30.9489, 6.1722



15.1432, 18.9532, 12.6506



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.



24.6213, 41.9553, 8.7206



40.4718, 73.9426, 12.4322



21.4627, 40.2671, 11.2791



10.2638, 11.4234, 10.7259



14.2730, 26.1868, 4.3023



0.6914, 1.1700, 0.1894



# Inverse Universe

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



21.8475, 11.1891, 53.2351



34.9145, 16.0783, 95.8710



30.9819, 16.1839, 40.7499



10.1501, 10.0685, 12.6933



12.2752, 5.5885, 33.9883



0.6020, 0.2784, 1.4719



# Previews

## White Background



This preview shows how the XYZ color 24.6203, 41.9535, 8.7197 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 24.6203, 41.9535, 8.7197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

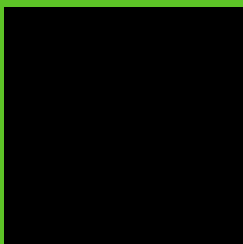
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

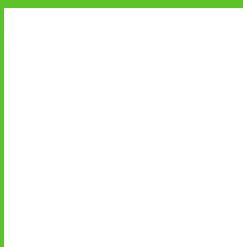
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.6203, 41.9535, 8.7197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6203, 41.9535, 8.7197.



This preview shows how white text looks on a background with the XYZ color 24.6203, 41.9535,



# 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

24.6203, 41.9535, 8.7197

### Protanopia

37.4662, 41.4663, 7.4680

### Deuteranopia

42.1057, 41.0692, 9.3224



## Tritanopia

34.7573, 41.8913, 59.0772

# Trichromacy



## Original Color

24.6203, 41.9535, 8.7197



## Protanomaly

30.7319, 40.3372, 7.7562



## Deuteranomaly

32.6789, 39.5396, 8.8153



## Tritanomaly

29.1473, 41.1749, 31.2223

# Monochromacy



## Original Color

24.6203, 41.9535, 8.7197



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

24.9143, 32.5050, 19.1483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6203, 41.9535, 8.7197 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(93, 196, 39)` looks like.

```
.text, #text, p{  
    color:rgb(93, 196, 39)  
}
```

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(93, 196, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 196, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6203, 41.9535, 8.7197 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(93, 196, 39) }
```



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

```
.border{ border-color:rgb(93, 196, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 196, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 196, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 196, 39);  
box-shadow:4px 4px 4px 4px rgb(93, 196,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6203, 41.9535, 8.7197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 196, 39) }
```

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

```
.background{ background-color: rgb(93, 196,  
39) }
```

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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