

# Converting Colors

XYZ(24.1441, 40.2820, 13.1593)

Have a look what the booklet for  
XYZ(24.1441, 40.2820, 13.1593)  
contains.

<b>XYZ(24.1441, 40.2820, 13.1593)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.1441, 40.2820,  
13.1593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58C04B
RGB	88, 192, 75
RGB Percent	35%, 75%, 29%
CMY	0.6549, 0.2470, 0.7059
CMYK	0.54, 0.00, 0.61, 0.25
HSL	113°, 48%, 52%
HSV	113°, 61%, 75%
XYZ	24.1441, 40.2820, 13.1593
YIQ	147.5660, -24.4270, -58.4350

# Conversions

## Conversions Part 2

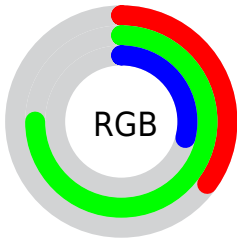
Format	Color
<a href="#">RYB</a>	<a href="#">75, 192, 179</a>
Decimal	<a href="#">5816395</a>
CIELab	<a href="#">69.67, -52.61, 48.82</a>
CIElCh	<a href="#">70, 71.772, 137.136</a>
Yxy	<a href="#">40.2820, 0.3112, 0.5192</a>
Android (android.graphics.Color)	<a href="#">4284006475 (0xFF58C04B)</a>
YUV	<a href="#">147.5660, -35.7750, -52.2394</a>
Hunter-Lab	<a href="#">63.4681, -43.1654, 32.1346</a>

# Details

The XYZ color **24.1441, 40.2820, 13.1593** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **30.6234, 18.4232, 51.8134**, and the grayscale version is **28.1198, 29.5842, 32.2172**.

A 20% lighter version of the original color is **49.6260, 75.4209, 32.3642**, and **9.2443, 18.0317, 3.6093** is the 20% darker color. If you saturate the color by 10%, you get **22.1530, 39.3216, 10.1384**, and if you desaturate by 10%, it is **26.7136, 41.5201, 17.2439**.

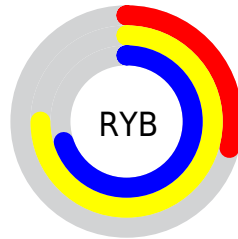
# Distribution



Red (35%)

Green (75%)

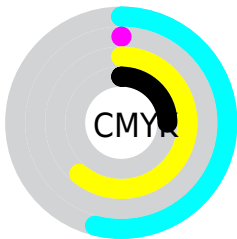
Blue (29%)



Red (29%)

Yellow (75%)

Blue (70%)

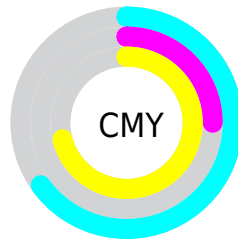


Cyan (54%)

Magenta (0%)

Yellow (61%)

Black (25%)



Cyan (65%)

Magenta (25%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1441, 40.2820, 13.1593 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 24.1441, 40.2820, 13.1593 by changing the saturation by 10% instead.





 24.1441, 40.2820,  
13.1593


 24.1441, 40.2820,  
13.1593


265.9752,  
347.3107, 223.1797


 15.5659, 27.7585,  
7.4063


 49.7182, 75.5927,  
32.2851


 9.3064, 18.1437,  
3.6352


 67.4448, 99.1488,  
46.4949


 5.0003, 11.0532,  
1.4274


 88.9515, 127.1511,  
64.3608

 2.2822, 6.1026,  
0.1630

 114.6038,  
159.9840, 86.3012

 0.7855, 2.9076,  
0.0000

 144.7670,  
198.0321, 112.7348

 0.0000, 1.0837,  
0.0000

179.8063,

 0.0000, 0.0000,

241.6797, 144.0801

0.0000

220.0873,  
291.3111, 180.7555

■ 24.1441, 40.2820,  
13.1593

■ 24.1441, 40.2820,  
13.1593

■ 22.1530, 39.3216,  
10.1384

■ 26.7136, 41.5201,  
17.2439

■ 20.6923, 38.6126,  
8.0801

■ 29.8991, 43.0498,  
22.4760

■ 19.7105, 38.1323,  
6.8684

■ 33.7382, 44.8899,  
28.9338

■ 19.1667, 37.8640,  
6.2983

■ 38.2647, 47.0565,  
36.6882

■ 43.5101, 49.5642,  
45.8044

■ 49.5039, 52.4271,  
56.3435

■ 56.2740, 55.6582,  
68.3628

■ 63.8468, 59.2700,  
81.9162

■ 72.2475, 63.2743,  
97.0553

# Harmonies

## Analogous

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



32.0788, 40.2820, 6.7413



24.1441, 40.2820, 13.1593



20.3861, 40.2820, 31.1097

# Triad

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



24.1441, 40.2820, 13.1593



33.5283, 40.2820, 140.3807



63.8282, 40.2820, 27.5908

# Complementary

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



24.1441, 40.2820, 13.1593



30.6234, 18.4232, 51.8134

# Split Complementary

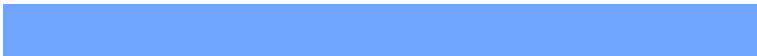
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4355, 40.2820, 59.6909



24.1441, 40.2820, 13.1593



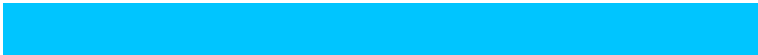
45.2482, 40.2820, 137.7193

# Square

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



24.1441, 40.2820, 13.1593



25.0196, 40.2820, 109.3948



57.0918, 40.2820, 103.3144



55.5700, 40.2820, 11.7063



# Rectangle

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



24.1441, 40.2820, 13.1593



20.1326, 40.2820, 52.2912



57.0918, 40.2820, 103.3144



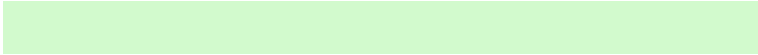
64.9853, 40.2820, 36.3881

# Sweetspot

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



24.1451, 40.2837, 13.1602



71.7181, 86.4020, 70.6030



39.0002, 43.6968, 13.0360



14.8191, 18.2650, 14.1667



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.1451, 40.2837, 13.1602



39.1815, 70.7819, 16.9821



25.1337, 40.5495, 24.2249



10.0460, 11.3112, 10.7157



12.9303, 25.4947, 4.2395



0.5941, 1.1198, 0.1848



# Inverse Universe

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



30.6234, 18.4232, 51.8134



51.7916, 27.7295, 92.9829



29.5340, 18.3510, 29.6525



10.3836, 10.1889, 12.7042



17.6962, 8.3832, 34.2420



0.7966, 0.3787, 1.4810



# Previews

## White Background



This preview shows how the XYZ color 24.1441, 40.2820, 13.1593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

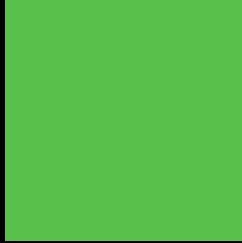
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.1441, 40.2820, 13.1593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

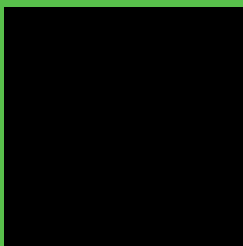
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

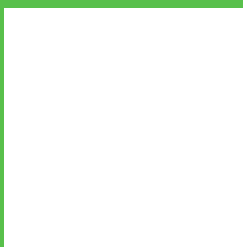
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.1441, 40.2820, 13.1593**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1441, 40.2820, 13.1593.



This preview shows how white text looks on a background with the XYZ color 24.1441, 40.2820,



# 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

24.1441, 40.2820, 13.1593

### Protanopia

35.9704, 39.4847, 11.1943

### Deuteranopia

40.3575, 39.5397, 13.8924



## Tritanopia

32.8689, 40.0483, 57.0366

# Trichromacy



## Original Color

24.1441, 40.2820, 13.1593



## Protanomaly

29.8084, 38.5746, 11.8358



## Deuteranomaly

31.5476, 37.9916, 13.4550



## Tritanomaly

28.4353, 39.4584, 35.3957

# Monochromacy



## Original Color

24.1441, 40.2820, 13.1593



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

25.3308, 32.3670, 23.0015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1441, 40.2820, 13.1593 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(88, 192, 75)` looks like.

```
.text, #text, p{  
    color:rgb(88, 192, 75)  
}
```

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(88, 192, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 192, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1441, 40.2820, 13.1593 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(88, 192, 75) }
```



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

```
.border{ border-color:rgb(88, 192, 75) }
```

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

Here you see how a box with a 4 pixel rgb(88, 192, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 192, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 192, 75);  
box-shadow:4px 4px 4px 4px rgb(88, 192,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1441, 40.2820, 13.1593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 192, 75) }
```

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

```
.background{ background-color: rgb(88, 192,  
75) }
```

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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