

# Converting Colors

XYZ(48.6790, 85.6023, 22.6736)

Have a look what the booklet for  
XYZ(48.6790, 85.6023, 22.6736)  
contains.

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# Color

**XYZ(43.6241, 75.3800,  
21.0547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CFF56
RGB	108, 255, 86
RGB Percent	42%, 100%, 34%
CMY	0.5765, 0.0000, 0.6627
CMYK	0.58, 0.00, 0.66, 0.00
HSL	112°, 100%, 67%
HSV	112°, 66%, 100%
XYZ	43.6241, 75.3800, 21.0547
YIQ	191.7810, -33.3630, -83.7230

# Conversions

## Conversions Part 2

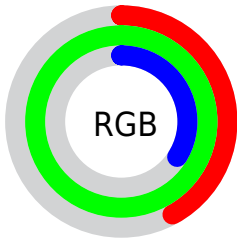
Format	Color
<a href="#">RYB</a>	86, 255, 233
Decimal	7143254
CIELab	89.57, -69.36, 66.36
CIELCh	90, 95.996, 136.265
Yxy	75.3800, 0.3115, 0.5382
Android (android.graphics.Color)	4285333334 (0xFF6CFF56)
YUV	191.7810, -52.1500, -73.4759
Hunter-Lab	86.8217, -62.2494, 46.3970

# Details

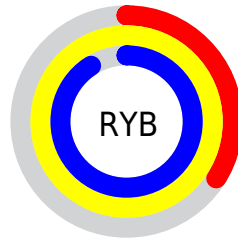
The XYZ color **43.6241, 75.3800, 21.0547** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **54.9841, 31.2009, 97.7321**, and the grayscale version is **50.2839, 52.9026, 57.6110**.

A 20% lighter version of the original color is **57.5125, 82.1611, 38.8141**, and **20.4371, 40.1617, 7.2909** is the 20% darker color. If you saturate the color by 10%, you get **40.4102, 73.8215, 16.4645**, and if you desaturate by 10%, it is **47.8910, 77.4391, 27.6084**.

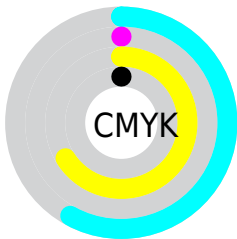
# Distribution



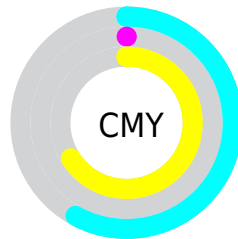
- Red (42%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (91%)



- Cyan (58%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6241, 75.3800, 21.0547 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 43.6241, 75.3800, 21.0547 by changing the saturation by 10% instead.





 43.6241, 75.3800,  
21.0547

 43.6241, 75.3800,  
21.0547


352.0503,  
479.2227, 270.3596


 30.5717, 55.9243,  
12.9724


 79.9017, 126.8501,  
46.0605


 20.4232, 40.1422,  
7.2790


 103.8576,  
159.6333, 63.8211

 12.8131, 27.6494,  
3.5561


 132.1787,  
197.6277, 85.6448

 7.3761, 18.0616,  
1.3851

 165.2304,  
241.2178, 111.9502

 3.7468, 10.9942,  
0.1301

203.3781,  
290.7880, 143.1559

 1.5599, 6.0629,  
0.0000

246.9871,

 0.3661, 2.8834,

346.7226, 179.6803

0.0000

296.4227,  
409.4060, 221.9420

0.0000, 1.0712,  
0.0000

0.0000, 0.0000,  
0.0000

43.6241, 75.3800,  
21.0547

43.6241, 75.3800,  
21.0547

40.4102, 73.8215,  
16.4645

47.8910, 77.4391,  
27.6084

38.1544, 72.7193,  
13.6158

53.2927, 80.0368,  
36.3089

36.7449, 72.0217,  
12.2379

59.9037, 83.2080,  
47.3220

36.3933, 71.8465,  
11.9496

67.7918, 86.9843,  
60.7968

■ 77.0198, 91.3954,  
76.8695

■ 87.6463, 96.4685,  
95.6666

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



59.6824, 75.3800, 9.8772



43.6241, 75.3800, 21.0547



36.0095, 75.3800, 54.9424

# Triad

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



43.6241, 75.3800, 21.0547



61.4105, 75.3800, 283.8856



124.5854, 75.3800, 50.8132

# Complementary

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



43.6241, 75.3800, 21.0547



54.9841, 31.2009, 97.7321

# 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.



125.3360, 75.3800, 116.9317



43.6241, 75.3800, 21.0547



85.1111, 75.3800, 280.5058

# Square

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



43.6241, 75.3800, 21.0547



44.6488, 75.3800, 216.2022



109.6565, 75.3800, 208.5626



107.7875, 75.3800, 19.4602



# Rectangle

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



43.6241, 75.3800, 21.0547



35.3649, 75.3800, 97.0778



109.6565, 75.3800, 208.5626



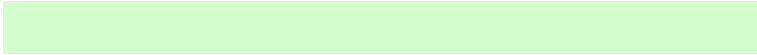
126.8314, 75.3800, 68.7053

# Sweetspot

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



43.6244, 75.3802, 21.0559



73.4194, 89.6751, 70.5662



71.9083, 79.9087, 20.4392



15.1608, 18.9294, 14.1395



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.



43.6244, 75.3802, 21.0559



39.4628, 73.3598, 15.2119



44.9412, 75.6359, 40.2352



17.9913, 20.2814, 19.1108



19.0836, 37.5760, 6.2471



1.9232, 3.6922, 0.6113



# Inverse Universe

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



54.9841, 31.2009, 97.7321



51.3713, 26.1551, 96.9486



54.1978, 31.7683, 53.7481



18.5464, 18.1734, 22.7803



25.2326, 11.9184, 50.4052

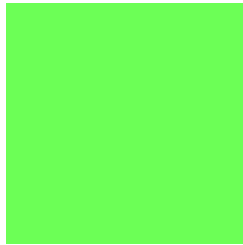


2.5188, 1.1924, 4.9107



# Previews

## White Background



This preview shows how the XYZ color 43.6241, 75.3800, 21.0547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

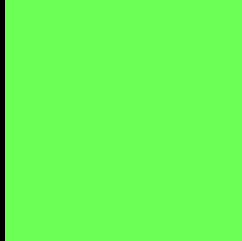
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6241, 75.3800, 21.0547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

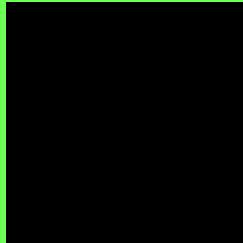
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

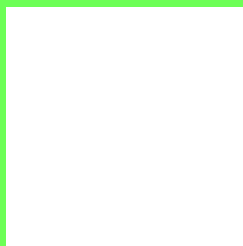
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.6241, 75.3800, 21.0547**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6241, 75.3800, 21.0547.



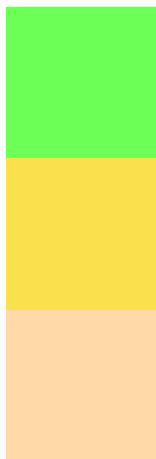
This preview shows how white text looks on a background with the XYZ color 43.6241, 75.3800,



# 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

43.6241, 75.3800, 21.0547

### Protanopia

67.4196, 74.1711, 17.7842

### Deuteranopia

73.0279, 73.6757, 46.9311



## Tritanopia

61.4711, 74.5607, 105.7595

# Trichromacy



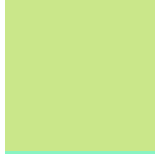
## Original Color

43.6241, 75.3800, 21.0547



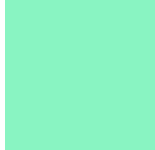
## Protanomaly

54.4450, 72.0016, 18.6176



## Deuteranomaly

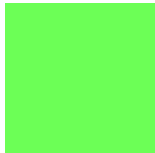
57.5205, 71.5434, 34.8224



## Tritanomaly

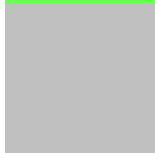
52.4048, 73.9148, 62.5439

# Monochromacy



## Original Color

43.6241, 75.3800, 21.0547



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

44.7482, 58.4779, 39.0659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6241, 75.3800, 21.0547 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(108, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 86)  
}
```

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(108, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6241, 75.3800, 21.0547 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(108, 255, 86) }
```



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

```
.border{ border-color:rgb(108, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
86) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6241, 75.3800, 21.0547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 86) }
```

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

```
.background{ background-color: rgb(108,  
255, 86) }
```

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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