

# Converting Colors

XYZ(47.4901, 68.8078, 86.1361)

Have a look what the booklet for  
XYZ(47.4901, 68.8078, 86.1361)  
contains.

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# Color

**XYZ(47.4047, 68.5925,  
86.3425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40EFE7
RGB	64, 239, 231
RGB Percent	25%, 94%, 91%
CMY	0.7490, 0.0627, 0.0941
CMYK	0.73, 0.00, 0.03, 0.06
HSL	177°, 85%, 59%
HSV	177°, 73%, 94%
XYZ	47.4047, 68.5925, 86.3425
YIQ	185.7630, -101.7320, -39.5880

# Conversions

## Conversions Part 2

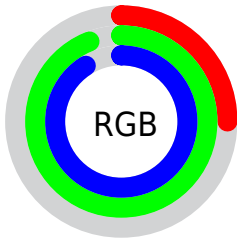
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 154, 239
Decimal	4255719
CIELab	86.30, -44.44, -8.74
CIELCh	86, 45.288, 191.123
Yxy	68.5925, 0.2343, 0.3390
Android (android.graphics.Color)	4282445799 (0xFF40EFE7)
YUV	185.7630, 22.3018, -106.7862
Hunter-Lab	82.8206, -42.7665, -3.8369

# Details

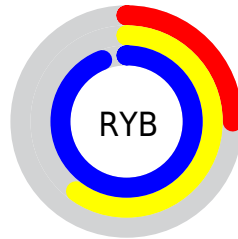
The XYZ color **47.4047, 68.5925, 86.3425** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **38.6021, 22.4876, 8.4393**, and the grayscale version is **46.4624, 48.8820, 53.2325**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **24.5644, 36.5905, 46.8423** is the 20% darker color. If you saturate the color by 10%, you get **46.0171, 67.8965, 85.4758**, and if you desaturate by 10%, it is **49.4627, 69.6371, 87.2487**.

# Distribution



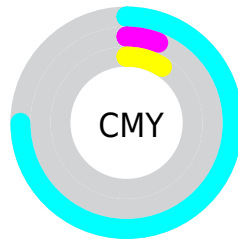
- Red (25%)
- Green (94%)
- Blue (91%)



- Red (25%)
- Yellow (60%)
- Blue (94%)



- Cyan (73%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (75%)
- Magenta (6%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4047, 68.5925, 86.3425 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 47.4047, 68.5925, 86.3425 by changing the saturation by 10% instead.





 47.4047, 68.5925,  
86.3425


 47.4047, 68.5925,  
86.3425


367.0496,  
455.5924, 536.3199


 33.5650, 50.3799,  
64.3947


 85.5325, 117.1994,  
144.1381


 22.7209, 35.7154,  
46.5222


 110.5512,  
148.3624, 180.8230

 14.5071, 24.2144,  
32.3065


 140.0271,  
184.6111, 223.2574

 8.5583, 15.4928,  
21.3289

 174.3253,  
226.3298, 271.8597

 4.5090, 9.1659,  
13.1711

213.8113,  
273.9028, 327.0486

 1.9939, 4.8496,  
7.4143

258.8505,

 0.6305, 2.1593,

327.7147, 389.2426

3.6402

309.8081,  
388.1498, 458.8602

■ 0.0000, 0.6977,  
1.4301

■ 0.0000, 0.0000,  
0.1650

■ 47.4047, 68.5925,  
86.3425

■ 47.4047, 68.5925,  
86.3425

■ 46.0171, 67.8965,  
85.4758

■ 49.4627, 69.6371,  
87.2487


■ 45.2020, 67.4940,  
84.6393


■ 52.2607, 71.0615,  
88.1931


■ 44.8815, 67.3407,  
84.0856


■ 55.8660, 72.9020,  
89.1803


■ 60.3371, 75.1887,  
90.2131

 65.7267, 77.9488,  
91.2939

 72.0835, 81.2074,  
92.4251

 79.4529, 84.9879,  
93.6087

 87.7978, 89.2712,  
94.8431

 87.9605, 89.3363,  
95.6997

# Harmonies

## Analogous

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



47.9755, 68.5925, 57.5763



47.4047, 68.5925, 86.3425



51.2039, 68.5925, 119.2694

# Triad

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



47.4047, 68.5925, 86.3425



79.3185, 68.5925, 126.9441



71.9125, 68.5925, 32.4050

# Complementary

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



47.4047, 68.5925, 86.3425



38.6021, 22.4876, 8.4393

# 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.



81.5277, 68.5925, 42.8798



47.4047, 68.5925, 86.3425



86.1089, 68.5925, 94.8872

# Square

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



47.4047, 68.5925, 86.3425



69.1475, 68.5925, 146.5489



86.9580, 68.5925, 64.1281



61.3962, 68.5925, 31.2647

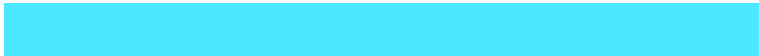


# Rectangle

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



47.4047, 68.5925, 86.3425



55.9675, 68.5925, 137.2357



86.9580, 68.5925, 64.1281



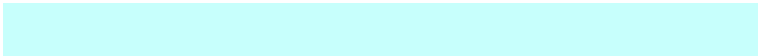
75.3850, 68.5925, 34.7875

# Sweetspot

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



47.4067, 68.5951, 86.3441



76.9263, 90.7043, 105.9103



34.5230, 63.5126, 15.2920



16.0711, 19.2124, 22.5946



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.



47.4067, 68.5951, 86.3441



52.7547, 78.3818, 98.5260



30.3112, 32.5536, 86.3500



16.2143, 17.9158, 20.1515



24.8155, 37.2182, 46.5387



2.0740, 3.1000, 3.9221



# Inverse Universe

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



38.6021, 22.4876, 8.4393



42.1174, 22.3783, 4.1848



46.3098, 38.2941, 9.8031



15.8021, 15.7705, 16.5140



19.7175, 10.1594, 1.1628

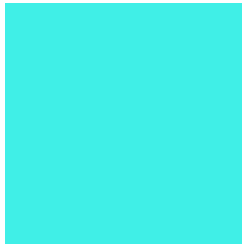


1.6505, 0.8493, 0.1506



# Previews

## White Background



This preview shows how the XYZ color 47.4047, 68.5925, 86.3425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

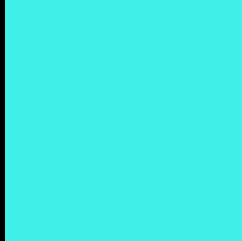
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4047, 68.5925, 86.3425 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 47.4047, 68.5925, 86.3425

## Background



This preview shows how black text looks on a background with the XYZ color 47.4047, 68.5925, 86.3425.



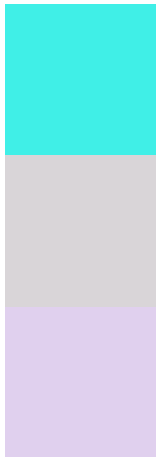
This preview shows how white text looks on a background with the XYZ color 47.4047, 68.5925,



# 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

47.4047, 68.5925, 86.3425

### Protanopia

64.8042, 67.2981, 74.5400

### Deuteranopia

68.7290, 67.1321, 90.2243



## Tritanopia

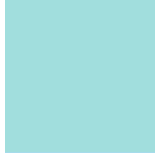
50.9828, 68.2989, 105.1037

# Trichromacy



## Original Color

47.4047, 68.5925, 86.3425



## Protanomaly

53.8704, 65.0401, 78.1213



## Deuteranomaly

56.0528, 64.7682, 88.1445



## Tritanomaly

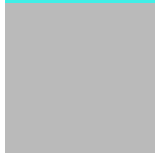
49.4540, 68.1006, 97.7270

# Monochromacy



## Original Color

47.4047, 68.5925, 86.3425



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

43.6473, 53.6777, 63.9375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4047, 68.5925, 86.3425 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(64, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(64, 239, 231)  
}
```

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(64, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 239, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4047, 68.5925, 86.3425 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(64, 239, 231) }
```



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

```
.border{ border-color:rgb(64, 239, 231) }
```

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

Here you see how a box with a 4 pixel rgb(64, 239, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(64, 239,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4047, 68.5925, 86.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 239, 231) }
```

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

```
.background{ background-color: rgb(64, 239,  
231) }
```

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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