

# Converting Colors

XYZ(40.2188, 58.6762, 44.4371)

Have a look what the booklet for  
XYZ(40.2188, 58.6762, 44.4371)  
contains.

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# Color

**XYZ(40.2933, 58.7744,  
44.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76DEA4
RGB	118, 222, 164
RGB Percent	46%, 87%, 64%
CMY	0.5372, 0.1294, 0.3569
CMYK	0.47, 0.00, 0.26, 0.13
HSL	147°, 61%, 67%
HSV	147°, 47%, 87%
XYZ	40.2933, 58.7744, 44.3429
YIQ	184.2920, -43.3660, -40.0860

# Conversions

## Conversions Part 2

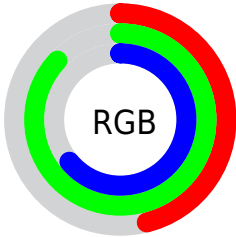
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 190, 222
Decimal	7790244
CIELab	81.17, -43.22, 19.28
CIELCh	81, 47.324, 155.954
Yxy	58.7744, 0.2810, 0.4098
Android (android.graphics.Color)	4285980324 (0xFF76DEA4)
YUV	184.2920, -10.0040, -58.1381
Hunter-Lab	76.6645, -40.3468, 19.3717

# Details

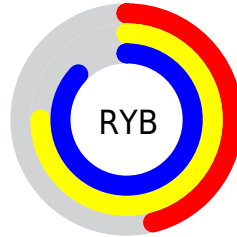
The XYZ color **40.2933, 58.7744, 44.3429** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.4410, 31.6223, 44.8378**, and the grayscale version is **45.7934, 48.1782, 52.4661**.

A 20% lighter version of the original color is **66.2254, 85.7484, 80.0785**, and **18.4243, 29.4029, 20.0335** is the 20% darker color. If you saturate the color by 10%, you get **36.5619, 56.9753, 38.6136**, and if you desaturate by 10%, it is **44.8462, 60.9875, 50.6815**.

# Distribution



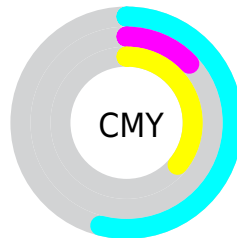
- Red (46%)
- Green (87%)
- Blue (64%)



- Red (46%)
- Yellow (75%)
- Blue (87%)



- Cyan (47%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)




- Cyan (54%)
- Magenta (13%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2933, 58.7744, 44.3429 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 40.2933, 58.7744, 44.3429 by changing the saturation by 10% instead.





 40.2933, 58.7744,  
44.3429


 40.2933, 58.7744,  
44.3429


338.4715,  
420.0654, 380.1880


 27.9525, 42.4315,  
30.6010


 74.8914, 103.0497,  
83.0414

 18.4301, 29.4393,  
20.0393


 97.8795, 131.7509,  
108.8352

 11.3608, 19.4134,  
12.2393

 125.1474,  
165.3404, 139.4833

 6.3791, 11.9694,  
6.7823

157.0605,  
204.2026, 175.4042

 3.1198, 6.7228,  
3.2500

193.9840,  
248.7217, 217.0167

 1.2174, 3.2894,  
1.2236

236.2835,

 0.1201, 1.2846,

299.2823, 264.7391

0.0000

284.3242,  
356.2687, 318.9900

■ 0.0000, 0.1292,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.2933, 58.7744,  
44.3429

■ 40.2933, 58.7744,  
44.3429

■ 36.5619, 56.9753,  
38.6136

■ 44.8462, 60.9875,  
50.6815

■ 33.5935, 55.5559,  
33.4708


■ 50.2644, 63.6322,  
57.6432


■ 31.3294, 54.4876,  
28.8963


■ 56.5941, 66.7336,  
65.2462


■ 29.6992, 53.7346,  
24.8689


■ 63.8769, 70.3127,  
73.5070

 28.6130, 53.2511,  
21.3658

 72.1516, 74.3893,  
82.4411

 28.3360, 53.1302,  
20.3646

 81.4548, 78.9820,  
92.0637

 84.7230, 80.4490,  
102.0573

 85.4123, 80.7247,  
105.6874

# Harmonies

## Analogous

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



45.4664, 58.7744, 29.3680



40.2933, 58.7744, 44.3429



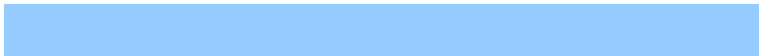
39.0664, 58.7744, 69.7869

# Triad

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



40.2933, 58.7744, 44.3429



57.8506, 58.7744, 134.5095



72.6370, 58.7744, 37.1429

# Complementary

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



40.2933, 58.7744, 44.3429



44.4410, 31.6223, 44.8378

# 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.



76.8935, 58.7744, 58.5334



40.2933, 58.7744, 44.3429



67.7353, 58.7744, 118.7000

# Square

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



40.2933, 58.7744, 44.3429



48.4970, 58.7744, 127.3959



75.0021, 58.7744, 88.7350



63.9402, 58.7744, 26.1468



# Rectangle

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



40.2933, 58.7744, 44.3429



40.5079, 58.7744, 90.7849



75.0021, 58.7744, 88.7350



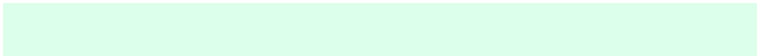
74.6784, 58.7744, 43.0741

# Sweetspot

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



40.2949, 58.7768, 44.3442



80.0722, 92.6300, 92.3247



47.5095, 62.8924, 26.7756



16.6955, 19.6090, 19.2492



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.



40.2949, 58.7768, 44.3442



50.2409, 78.0872, 53.1676



45.8687, 61.0063, 73.6954



13.7794, 15.4375, 15.8735



16.8843, 31.5786, 12.3798



1.2148, 2.2066, 1.0924



# Inverse Universe

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



44.4410, 31.6223, 44.8378



56.5529, 36.6912, 53.8775



40.3017, 29.9666, 23.0404



14.0257, 13.8279, 15.9053



20.1038, 10.1085, 12.4784

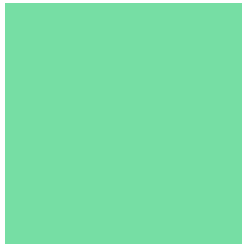


1.4383, 0.7186, 1.1011



# Previews

## White Background



This preview shows how the XYZ color 40.2933, 58.7744, 44.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

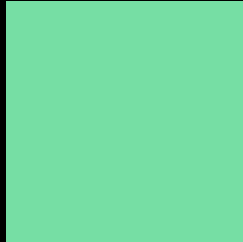
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.2933, 58.7744, 44.3429 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 40.2933, 58.7744, 44.3429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2933, 58.7744, 44.3429.



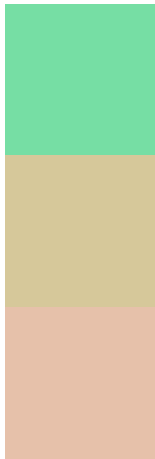
This preview shows how white text looks on a background with the XYZ color 40.2933, 58.7744,



# 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

40.2933, 58.7744, 44.3429

### Protanopia

54.2186, 57.9378, 38.8973

### Deuteranopia

58.9588, 57.8652, 46.0918



## Tritanopia

48.0689, 58.4526, 83.6119

# Trichromacy



## Original Color

40.2933, 58.7744, 44.3429



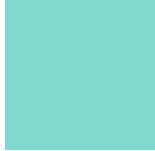
## Protanomaly

47.3178, 57.1641, 40.8876



## Deuteranomaly

49.6470, 56.8317, 45.3987



## Tritanomaly

44.7497, 58.2351, 67.2745

# Monochromacy



## Original Color

40.2933, 58.7744, 44.3429



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.6271, 51.0361, 49.1992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2933, 58.7744, 44.3429 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(118, 222, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 222, 164)  
}
```

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(118, 222, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 222, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2933, 58.7744, 44.3429 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(118, 222, 164) }
```



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

```
.border{ border-color:rgb(118, 222, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 222, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 222, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 222, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 222,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2933, 58.7744, 44.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 222, 164) }
```

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

```
.background{ background-color: rgb(118,  
222, 164) }
```

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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