

# Converting Colors

XYZ(44.1978, 63.8425, 41.0007)

Have a look what the booklet for  
XYZ(44.1978, 63.8425, 41.0007)  
contains.

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# Color

**XYZ(44.0890, 63.6394,  
40.9702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88E59B
RGB	136, 229, 155
RGB Percent	53%, 90%, 61%
CMY	0.4667, 0.1019, 0.3921
CMYK	0.41, 0.00, 0.32, 0.10
HSL	132°, 64%, 72%
HSV	132°, 41%, 90%
XYZ	44.0890, 63.6394, 40.9702
YIQ	192.7570, -31.6740, -42.7300

# Conversions

## Conversions Part 2

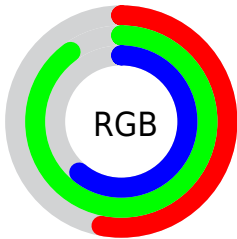
Format	Color
<a href="#">RYB</a>	<a href="#">136, 213, 229</a>
Decimal	<a href="#">8971675</a>
CIELab	<a href="#">83.78, -43.03, 27.64</a>
CIELCh	<a href="#">84, 51.140, 147.281</a>
Yxy	<a href="#">63.6394, 0.2965, 0.4280</a>
Android (android.graphics.Color)	<a href="#">4287161755 (0xFF88E59B)</a>
YUV	<a href="#">192.7570, -18.6142, -49.7759</a>
Hunter-Lab	<a href="#">79.7743, -40.9531, 25.3921</a>

# Details

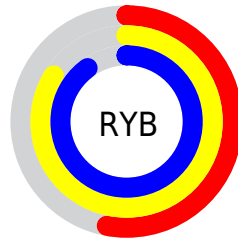
The XYZ color **44.0890, 63.6394, 40.9702** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **52.7521, 38.9207, 65.7071**, and the grayscale version is **50.6663, 53.3049, 58.0490**.

A 20% lighter version of the original color is **69.3852, 87.5106, 74.2070**, and **20.7000, 32.5719, 18.0280** is the 20% darker color. If you saturate the color by 10%, you get **39.3432, 61.3583, 33.3541**, and if you desaturate by 10%, it is **49.8636, 66.4278, 49.8426**.

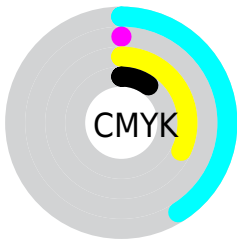
# Distribution



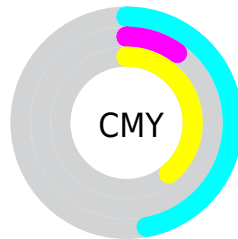
- Red (53%)
- Green (90%)
- Blue (61%)



- Red (53%)
- Yellow (84%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)



- Cyan (47%)
- Magenta (10%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0890, 63.6394, 40.9702 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 44.0890, 63.6394, 40.9702 by changing the saturation by 10% instead.



■ 44.0890, 63.6394,  
40.9702

■ 44.0890, 63.6394,  
40.9702

353.9174,  
437.8863, 365.8690

■ 30.9387, 46.3587,  
27.9763

■ 80.5972, 110.0914,  
77.8918

■ 20.7038, 32.5289,  
18.0689

■ 104.6857,  
140.0316, 102.6566

■ 13.0189, 21.7658,  
10.8295

■ 133.1511,  
174.9603, 132.1821

■ 7.5186, 13.6849,  
5.8396

166.3586,  
215.2619, 166.8868

■ 3.8377, 7.9019,  
2.6806

204.6737,  
261.3210, 207.1894

■ 1.6107, 4.0322,  
0.9336

248.4616,

■ 0.3994, 1.6916,

313.5218, 253.5082

0.0000

298.0877,  
372.2488, 306.2619

0.0000, 0.4182,  
0.0000

0.0000, 0.0000,  
0.0000

44.0890, 63.6394,  
40.9702

44.0890, 63.6394,  
40.9702

39.3432, 61.3583,  
33.3541

49.8636, 66.4278,  
49.8426

35.5598, 59.5461,  
26.9335


56.7183, 69.7433,  
60.0202

32.6725, 58.1716,  
21.6485


64.7068, 73.6145,  
71.5544


30.6039, 57.1964,  
17.4326

73.8778, 78.0655,  
84.4926

 29.2629, 56.5750,  
14.2123

 84.2771, 83.1188,  
98.8798

 28.5293, 56.2446,  
12.0195

 87.3105, 84.5211,  
106.3202

# Harmonies

## Analogous

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



51.1263, 63.6394, 27.6028



44.0890, 63.6394, 40.9702



41.3927, 63.6394, 66.4025

# Triad

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



44.0890, 63.6394, 40.9702



59.4697, 63.6394, 151.1628



81.7629, 63.6394, 44.6517

# Complementary

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



44.0890, 63.6394, 40.9702



52.7521, 38.9207, 65.7071

# 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.



84.7020, 63.6394, 72.2651



44.0890, 63.6394, 40.9702



70.9265, 63.6394, 140.0040

# Square

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



44.0890, 63.6394, 40.9702



49.5579, 63.6394, 135.3715



80.5180, 63.6394, 108.3488



72.9160, 63.6394, 29.2203



# Rectangle

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



44.0890, 63.6394, 40.9702



42.1347, 63.6394, 89.3189



80.5180, 63.6394, 108.3488



83.5187, 63.6394, 52.5084

# Sweetspot

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



44.0906, 63.6420, 40.9716



80.9992, 93.1811, 89.0603



59.1580, 71.5797, 33.9913



17.0384, 19.7998, 18.6343



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.



44.0906, 63.6420, 40.9716



50.9387, 78.6558, 43.7628



48.7289, 65.4973, 65.3961



14.3091, 16.1371, 15.8927



16.3457, 32.1704, 7.0548



1.2409, 2.3905, 0.6953



# Inverse Universe

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



52.7521, 38.9207, 65.7071



63.4382, 42.9221, 79.4161



47.8108, 36.9442, 39.6867



14.8623, 14.5621, 17.4753



23.3599, 11.4782, 26.5879

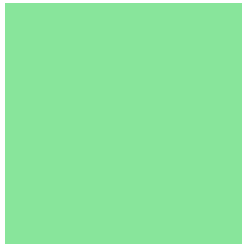


1.7582, 0.8610, 2.1332



# Previews

## White Background



This preview shows how the XYZ color 44.0890, 63.6394, 40.9702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

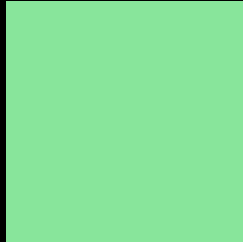
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.0890, 63.6394, 40.9702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

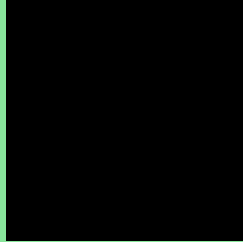
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.0890, 63.6394, 40.9702**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0890, 63.6394, 40.9702.



This preview shows how white text looks on a background with the XYZ color 44.0890, 63.6394,



# 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

44.0890, 63.6394, 40.9702

### Protanopia

58.4847, 63.0344, 36.2785

### Deuteranopia

63.9072, 62.5102, 42.8798



## Tritanopia

53.6087, 63.4915, 88.7865

# Trichromacy



## Original Color

44.0890, 63.6394, 40.9702



## Protanomaly

51.7189, 62.4881, 37.7693



## Deuteranomaly

54.2064, 61.4338, 41.8018



## Tritanomaly

49.6828, 63.4834, 68.6664

# Monochromacy



## Original Color

44.0890, 63.6394, 40.9702



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.2212, 56.1679, 51.0005

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0890, 63.6394, 40.9702 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(136, 229, 155)` looks like.

```
.text, #text, p{  
    color:rgb(136, 229, 155)  
}
```

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(136, 229, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 229, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0890, 63.6394, 40.9702 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(136, 229, 155) }
```



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

```
.border{ border-color:rgb(136, 229, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 229, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 229, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 229, 155); box-shadow:4px 4px 4px 4px rgb(136, 229, 155) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0890, 63.6394, 40.9702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 229, 155) }
```

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

```
.background{ background-color: rgb(136,  
229, 155) }
```

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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