

# Converting Colors

XYZ(43.0568, 58.6562, 48.9176)

Have a look what the booklet for  
XYZ(43.0568, 58.6562, 48.9176)  
contains.

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# Color

**XYZ(43.0279, 58.5172,  
49.0715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89DAAE
RGB	137, 218, 174
RGB Percent	54%, 85%, 68%
CMY	0.4627, 0.1451, 0.3176
CMYK	0.37, 0.00, 0.20, 0.15
HSL	147°, 52%, 70%
HSV	147°, 37%, 85%
XYZ	43.0279, 58.5172, 49.0715
YIQ	188.7650, -34.1520, -30.8560

# Conversions

## Conversions Part 2

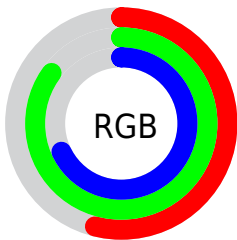
Format	Color
<a href="#">RYB</a>	<a href="#">137, 193, 218</a>
Decimal	<a href="#">9034414</a>
CIELab	<a href="#">81.03, -34.29, 13.95</a>
CIElCh	<a href="#">81, 37.021, 157.870</a>
Yxy	<a href="#">58.5172, 0.2857, 0.3885</a>
Android (android.graphics.Color)	<a href="#">4287224494</a> ( <a href="#">0xFF89DAAE</a> )
YUV	<a href="#">188.7650, -7.2791, -45.3979</a>
Hunter-Lab	<a href="#">76.4965, -33.4660, 15.5138</a>

# Details

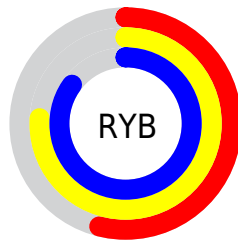
The XYZ color **43.0279, 58.5172, 49.0715** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.2016, 36.1343, 48.2579**, and the grayscale version is **48.2910, 50.8059, 55.3276**.

A 20% lighter version of the original color is **72.0352, 88.5706, 88.1621**, and **20.1773, 29.4385, 23.0311** is the 20% darker color. If you saturate the color by 10%, you get **38.7050, 56.4178, 43.1065**, and if you desaturate by 10%, it is **48.1778, 61.0343, 55.6092**.

# Distribution



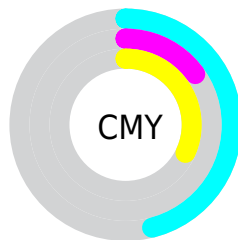
- Red (54%)
- Green (85%)
- Blue (68%)



- Red (54%)
- Yellow (76%)
- Blue (85%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)




- Cyan (46%)
- Magenta (15%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0279, 58.5172, 49.0715 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 43.0279, 58.5172, 49.0715 by changing the saturation by 10% instead.





 43.0279, 58.5172,  
49.0715


 43.0279, 58.5172,  
49.0715


349.6461,  
419.1104, 399.6543

 30.1016, 42.2246,  
34.3102


 79.0084, 102.6756,  
90.1797

 20.0642, 29.2772,  
22.8527


 102.7934,  
131.3103, 117.3637

 12.5502, 19.2906,  
14.2805

 130.9286,  
164.8277, 149.5257

 7.1944, 11.8805,  
8.1751

163.7794,  
203.6123, 187.0842

 3.6314, 6.6623,  
4.1178

201.7112,  
248.0484, 230.4578

 1.4958, 3.2518,  
1.6902

245.0894,

 0.3230, 1.2646,

298.5206, 280.0650

0.3540

294.2792,  
355.4131, 336.3243

■ 0.0000, 0.1135,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.0279, 58.5172,  
49.0715

■ 43.0279, 58.5172,  
49.0715

■ 38.7050, 56.4178,  
43.1065

■ 48.1778, 61.0343,  
55.6092

■ 35.1580, 54.7054,  
37.6942


■ 54.1925, 63.9836,  
62.7307


■ 32.3372, 53.3562,  
32.8196


■ 61.1131, 67.3876,  
70.4519


■ 30.1849, 52.3408,  
28.4649


■ 68.9768, 71.2652,  
78.7867


 28.6338, 51.6249,  
24.6116

 77.8185, 75.6340,  
87.7488

 27.5956, 51.1632,  
21.2390

 82.8026, 78.0011,  
97.1233

 27.3524, 51.0570,  
20.3634

 84.3625, 78.6250,  
105.3375

# Harmonies

## Analogous

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



47.0356, 58.5172, 35.8164



43.0279, 58.5172, 49.0715



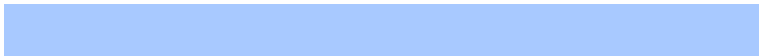
42.2331, 58.5172, 69.6846

# Triad

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



43.0279, 58.5172, 49.0715



57.6659, 58.5172, 115.4751



68.1124, 58.5172, 41.1158

# Complementary

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



43.0279, 58.5172, 49.0715



46.2016, 36.1343, 48.2579

# 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.



71.5706, 58.5172, 58.0970



43.0279, 58.5172, 49.0715



65.1875, 58.5172, 103.2815

# Square

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



43.0279, 58.5172, 49.0715



50.2382, 58.5172, 111.4819



70.4537, 58.5172, 81.0160



61.3706, 58.5172, 32.0144



# Rectangle

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



43.0279, 58.5172, 49.0715



43.5568, 58.5172, 85.6058



70.4537, 58.5172, 81.0160



69.7244, 58.5172, 45.9161

# Sweetspot

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



43.0295, 58.5196, 49.0728



83.1157, 94.1199, 96.0396



48.7740, 61.8420, 33.0336



17.4998, 20.0027, 20.2331



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

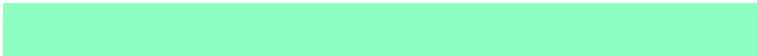


# Same Dimension

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



43.0295, 58.5196, 49.0728



56.2057, 80.9525, 62.9194



47.5211, 60.3162, 72.7252



13.1326, 14.7047, 15.1614



16.4391, 30.6083, 12.4779



1.1081, 2.0002, 1.0355



# Inverse Universe

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



46.2016, 36.1343, 48.2579



61.3847, 44.3813, 61.5721



42.6722, 34.7225, 29.6726



13.3504, 13.1693, 15.1065



19.3513, 9.7416, 11.4960



1.2970, 0.6484, 0.9728



# Previews

## White Background



This preview shows how the XYZ color 43.0279, 58.5172, 49.0715 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 43.0279, 58.5172, 49.0715 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 43.0279, 58.5172, 49.0715**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0279, 58.5172, 49.0715.



This preview shows how white text looks on a background with the XYZ color 43.0279, 58.5172,

49.0715.

# 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

43.0279, 58.5172, 49.0715

### Protanopia

54.5972, 58.0222, 43.9191

### Deuteranopia

58.8852, 57.7255, 50.6864



## Tritanopia

49.6923, 58.5795, 82.0867

# Trichromacy



## Original Color

43.0279, 58.5172, 49.0715



## Protanomaly

49.3883, 57.7671, 45.5929



## Deuteranomaly

51.3045, 56.8847, 49.8708



## Tritanomaly

47.1088, 58.6669, 68.5155

# Monochromacy



## Original Color

43.0279, 58.5172, 49.0715



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

45.8836, 53.3153, 53.2200

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0279, 58.5172, 49.0715 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(137, 218, 174)` looks like.

```
.text, #text, p{  
    color:rgb(137, 218, 174)  
}
```

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(137, 218, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 218, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0279, 58.5172, 49.0715 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(137, 218, 174) }
```



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

```
.border{ border-color:rgb(137, 218, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 218, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 218, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 218, 174);  
box-shadow:4px 4px 4px 4px rgb(137, 218,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0279, 58.5172, 49.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 218, 174) }
```

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

```
.background{ background-color: rgb(137,  
218, 174) }
```

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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