

# Converting Colors

XYZ(28.8687, 43.8678, 36.7523)

Have a look what the booklet for  
XYZ(28.8687, 43.8678, 36.7523)  
contains.

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# Color

**XYZ(28.8582, 43.8618,  
36.6509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FC598
RGB	79, 197, 152
RGB Percent	31%, 77%, 60%
CMY	0.6902, 0.2274, 0.4039
CMYK	0.60, 0.00, 0.23, 0.23
HSL	157°, 50%, 54%
HSV	157°, 60%, 77%
XYZ	28.8582, 43.8618, 36.6509
YIQ	156.5880, -55.8830, -39.0110

# Conversions

## Conversions Part 2

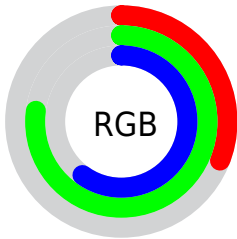
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 152, 197
Decimal	5227928
CIELab	72.14, -43.84, 12.83
CIELCh	72, 45.679, 163.683
Yxy	43.8618, 0.2639, 0.4010
Android (android.graphics.Color)	4283418008 (0xFF4FC598)
YUV	156.5880, -2.2619, -68.0447
Hunter-Lab	66.2282, -38.1201, 13.5485

# Details

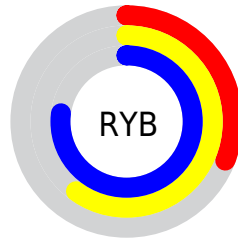
The XYZ color **28.8582, 43.8618, 36.6509** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.4615, 18.9186, 21.1693**, and the grayscale version is **31.8917, 33.5525, 36.5387**.

A 20% lighter version of the original color is **57.0636, 80.7431, 70.9699**, and **12.0220, 20.2856, 15.5938** is the 20% darker color. If you saturate the color by 10%, you get **26.8602, 42.9018, 33.4469**, and if you desaturate by 10%, it is **31.3831, 45.0912, 40.0850**.

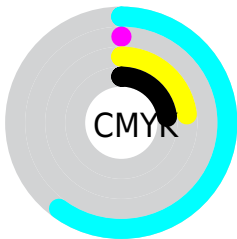
# Distribution



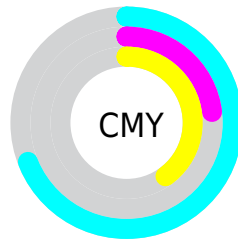
- Red (31%)
- Green (77%)
- Blue (60%)



- Red (31%)
- Yellow (60%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8582, 43.8618, 36.6509 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 28.8582, 43.8618, 36.6509 by changing the saturation by 10% instead.





 28.8582, 43.8618,  
36.6509


 28.8582, 43.8618,  
36.6509


288.5516,  
362.1440, 346.9197


 19.1173, 30.5619,  
24.6436

 57.2508, 81.0097,  
71.2159


 11.8596, 20.2655,  
15.5952


 76.6333, 105.6266,  
94.6106

 6.7197, 12.5882,  
9.0869

 99.9603, 134.7845,  
122.6384

 3.3322, 7.1456,  
4.7003

 127.5973,  
168.8678, 155.7175

 1.3318, 3.5533,  
2.0169

159.9096,  
208.2611, 194.2667

 0.2068, 1.4270,  
0.5656

197.2625,

 0.0000, 0.2365,

253.3486, 238.7044

0.0000

240.0214,  
304.5148, 289.4493

■ 0.0000, 0.0000,  
0.0000

■ 28.8582, 43.8618,  
36.6509

■ 28.8582, 43.8618,  
36.6509

■ 26.8602, 42.9018,  
33.4469

■ 31.3831, 45.0912,  
40.0850

■ 25.3403, 42.1827,  
30.4641

■ 34.4709, 46.6050,  
43.7516

■ 24.2468, 41.6791,  
27.6972

■ 38.1584, 48.4234,  
47.6570

■ 23.4793, 41.3393,  
25.1376

■ 42.4783, 50.5630,  
51.8061

■ 23.4720, 41.3361,  
25.1124

■ 47.4608, 53.0394,  
56.2038

■ 53.1341, 55.8671,  
60.8546

■ 59.5247, 59.0595,  
65.7631

■ 66.6578, 62.6297,  
70.9335

■ 74.0750, 66.3413,  
76.3475

# Harmonies

## Analogous

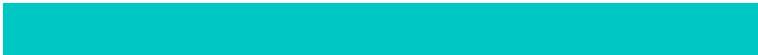
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1416, 43.8618, 22.8921



28.8582, 43.8618, 36.6509



28.7184, 43.8618, 58.6873

# Triad

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



28.8582, 43.8618, 36.6509



45.3487, 43.8618, 103.0162



53.5377, 43.8618, 23.7605

# Complementary

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



28.8582, 43.8618, 36.6509



29.4615, 18.9186, 21.1693

# 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.



58.0743, 43.8618, 38.2776



28.8582, 43.8618, 36.6509



52.9622, 43.8618, 86.1655

# Square

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



28.8582, 43.8618, 36.6509



37.6054, 43.8618, 102.1630



57.8514, 43.8618, 60.9091



46.0587, 43.8618, 17.2021



# Rectangle

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



28.8582, 43.8618, 36.6509



30.3860, 43.8618, 75.8469



57.8514, 43.8618, 60.9091



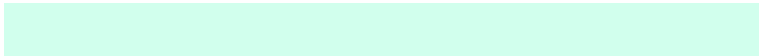
55.4968, 43.8618, 27.6332

# Sweetspot

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



28.8594, 43.8636, 36.6519



77.4413, 91.2333, 94.0287



29.7249, 44.8014, 14.4786



16.0483, 19.2660, 19.6417



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.



28.8594, 43.8636, 36.6519



47.1428, 76.3767, 58.1455



30.2855, 39.6585, 58.8841



10.7686, 11.9963, 12.7317



15.4797, 27.2043, 16.7368



0.7675, 1.3019, 0.9742



# Inverse Universe

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



29.4615, 18.9186, 21.1693



48.3578, 27.7531, 28.1715



28.3325, 20.2237, 9.8080



10.7984, 10.7028, 11.9219



16.0213, 8.1581, 5.3223



0.7938, 0.4004, 0.4373



# Previews

## White Background



This preview shows how the XYZ color 28.8582, 43.8618, 36.6509 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 28.8582, 43.8618, 36.6509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

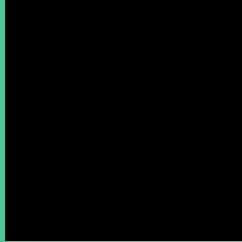
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.8582, 43.8618, 36.6509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8582, 43.8618, 36.6509.



This preview shows how white text looks on a background with the XYZ color 28.8582, 43.8618,



# 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

28.8582, 43.8618, 36.6509

### Protanopia

40.3874, 43.0221, 31.3748

### Deuteranopia

43.9127, 42.9867, 38.3306



## Tritanopia

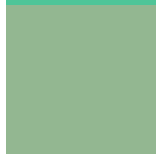
34.3627, 43.7761, 64.3961

# Trichromacy



## Original Color

28.8582, 43.8618, 36.6509



## Protanomaly

34.0769, 42.1144, 33.1209



## Deuteranomaly

35.6384, 41.6091, 37.6055



## Tritanomaly

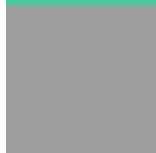
32.1493, 43.8588, 53.2255

# Monochromacy



## Original Color

28.8582, 43.8618, 36.6509



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

29.7222, 36.5387, 36.4965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8582, 43.8618, 36.6509 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(79, 197, 152)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 152)  
}
```

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(79, 197, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8582, 43.8618, 36.6509 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(79, 197, 152) }
```



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

```
.border{ border-color:rgb(79, 197, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 197, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 152);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8582, 43.8618, 36.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 152) }
```

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

```
.background{ background-color: rgb(79, 197,  
152) }
```

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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