

# Converting Colors

XYZ(28.8296, 43.4014, 21.2712)

Have a look what the booklet for  
XYZ(28.8296, 43.4014, 21.2712)  
contains.

<b>XYZ(28.9575, 43.5791, 21.3534)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(28.9575, 43.5791,  
21.3534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C36D
RGB	112, 195, 109
RGB Percent	44%, 76%, 43%
CMY	0.5608, 0.2353, 0.5725
CMYK	0.43, 0.00, 0.44, 0.24
HSL	118°, 42%, 60%
HSV	118°, 44%, 76%
XYZ	28.9575, 43.5791, 21.3534
YIQ	160.3790, -21.8620, -44.3420

# Conversions

## Conversions Part 2

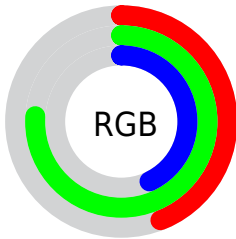
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 195, 192</a>
Decimal	<a href="#">7390061</a>
CIELab	<a href="#">71.95, -42.64, 35.43</a>
CIELCh	<a href="#">72, 55.438, 140.271</a>
Yxy	<a href="#">43.5791, 0.3084, 0.4642</a>
Android (android.graphics.Color)	<a href="#">4285580141</a> ( <a href="#">0xFF70C36D</a> )
YUV	<a href="#">160.3790, -25.3298, -42.4284</a>
Hunter-Lab	<a href="#">66.0145, -37.2256, 27.0319</a>

# Details

The XYZ color **28.9575, 43.5791, 21.3534** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.0594, 26.0853, 54.7138**, and the grayscale version is **33.7101, 35.4657, 38.6221**.

A 20% lighter version of the original color is **57.4804, 80.5543, 46.7014**, and **11.9452, 20.2063, 7.4083** is the 20% darker color. If you saturate the color by 10%, you get **25.8728, 42.0983, 16.3242**, and if you desaturate by 10%, it is **32.7778, 45.4148, 27.6344**.

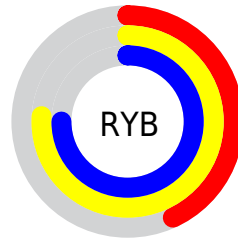
# Distribution



Red (44%)

Green (76%)

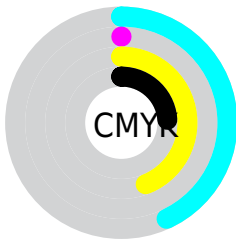
Blue (43%)



Red (43%)

Yellow (76%)

Blue (75%)

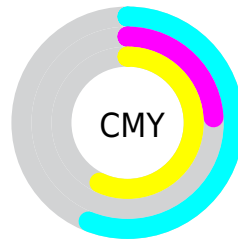


Cyan (43%)

Magenta (0%)

Yellow (44%)

Black (24%)



Cyan (56%)

Magenta (24%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9575, 43.5791, 21.3534 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 28.9575, 43.5791, 21.3534 by changing the saturation by 10% instead.





 28.9575, 43.5791,  
21.3534


 28.9575, 43.5791,  
21.3534


289.0122,  
360.9879, 271.9932


 19.1928, 30.3397,  
13.1888


 57.4076, 80.5840,  
46.5634


 11.9145, 20.0966,  
7.4264


 76.8237, 105.1184,  
64.4458

 6.7573, 12.4653,  
3.6477


 100.1876,  
134.1865, 86.4046

 3.3557, 7.0614,  
1.4342

 127.8647,  
168.1729, 112.8584

 1.3446, 3.5005,  
0.1681

160.2204,  
207.4618, 144.2255

 0.2162, 1.3983,  
0.0000

197.6199,

 0.0000, 0.2155,

252.4376, 180.9247

0.0000

240.4288,  
303.4849, 223.3744

■ 0.0000, 0.0000,  
0.0000

■ 28.9575, 43.5791,  
21.3534

■ 28.9575, 43.5791,  
21.3534

■ 25.8728, 42.0983,  
16.3242

■ 32.7778, 45.4148,  
27.6344

■ 23.4733, 40.9443,  
12.4605

■ 37.3734, 47.6203,  
35.2402

■ 21.7078, 40.0941,  
9.6694


■ 42.7848, 50.2163,  
44.2415


■ 20.5162, 39.5190,  
7.8430


■ 49.0489, 53.2205,  
54.7034


■ 19.8269, 39.1849,  
6.8505

■ 56.2003, 56.6494,  
66.6867

 19.6011, 39.0758,  
6.5093

 64.2718, 60.5186,  
80.2487

 73.2944, 64.8429,  
95.4440

 78.8060, 67.5120,  
103.4853

# Harmonies

## Analogous

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



35.4381, 43.5791, 13.4587



28.9575, 43.5791, 21.3534



25.9671, 43.5791, 39.1877

# Triad

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



28.9575, 43.5791, 21.3534



38.4250, 43.5791, 119.4517



60.9132, 43.5791, 31.6062

# Complementary

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



28.9575, 43.5791, 21.3534



37.0594, 26.0853, 54.7138

# 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.



62.0376, 43.5791, 56.7995



28.9575, 43.5791, 21.3534



48.0412, 43.5791, 114.9298

# Square

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



28.9575, 43.5791, 21.3534



30.8574, 43.5791, 99.7865



57.0276, 43.5791, 89.0937



54.1552, 43.5791, 17.6235

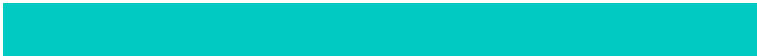


# Rectangle

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



28.9575, 43.5791, 21.3534



25.9890, 43.5791, 57.3484



57.0276, 43.5791, 89.0937



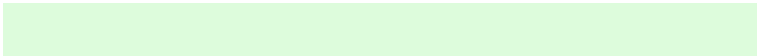
61.9985, 43.5791, 38.7620

# Sweetspot

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



28.9586, 43.5809, 21.3544



77.5719, 90.3885, 80.8128



43.8334, 49.8394, 21.7784



16.4746, 19.5482, 16.8424



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.



28.9586, 43.5809, 21.3544



46.4744, 75.4616, 29.4593



31.1448, 44.4121, 34.8248



9.9762, 11.2752, 10.7124



12.7539, 25.4037, 4.2312



0.5625, 1.1035, 0.1834



# Inverse Universe

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



37.0594, 26.0853, 54.7138



62.8330, 40.0850, 96.8953



34.0021, 24.9510, 34.6112



10.4615, 10.2291, 12.7079



19.9293, 9.5344, 34.3465



0.8721, 0.4176, 1.4845



# Previews

## White Background



This preview shows how the XYZ color 28.9575, 43.5791, 21.3534 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 28.9575, 43.5791, 21.3534 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 28.9575, 43.5791, 21.3534**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.9575, 43.5791, 21.3534.



This preview shows how white text looks on a background with the XYZ color 28.9575, 43.5791,



# 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

28.9575, 43.5791, 21.3534

### Protanopia

39.4665, 42.8257, 18.7565

### Deuteranopia

43.9611, 43.0920, 22.2202



## Tritanopia

36.8637, 43.5673, 60.4992

# Trichromacy



## Original Color

28.9575, 43.5791, 21.3534



## Protanomaly

34.3820, 42.2623, 19.7099



## Deuteranomaly

36.5802, 42.1470, 21.8300



## Tritanomaly

33.2489, 43.3593, 42.6932

# Monochromacy



## Original Color

28.9575, 43.5791, 21.3534



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.0790, 37.6499, 30.8284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.9575, 43.5791, 21.3534 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(112, 195, 109)` looks like.

```
.text, #text, p{  
    color:rgb(112, 195, 109)  
}
```

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(112, 195, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 195, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 28.9575, 43.5791, 21.3534 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(112, 195, 109) }
```



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

```
.border{ border-color:rgb(112, 195, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 195, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 195, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 195, 109); box-shadow:4px 4px 4px 4px rgb(112, 195, 109) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.9575, 43.5791, 21.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 195, 109) }
```

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

```
.background{ background-color: rgb(112,  
195, 109) }
```

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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