

# Converting Colors

XYZ(28.3514, 41.5890, 22.9252)

Have a look what the booklet for  
XYZ(28.3514, 41.5890, 22.9252)  
contains.

<b>XYZ(28.3759, 41.5986, 23.0568)</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(28.3759, 41.5986,  
23.0568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71BE74
RGB	113, 190, 116
RGB Percent	44%, 75%, 45%
CMY	0.5569, 0.2549, 0.5451
CMYK	0.41, 0.00, 0.39, 0.25
HSL	122°, 37%, 59%
HSV	122°, 41%, 75%
XYZ	28.3759, 41.5986, 23.0568
YIQ	158.5410, -22.1380, -39.3380

# Conversions

## Conversions Part 2

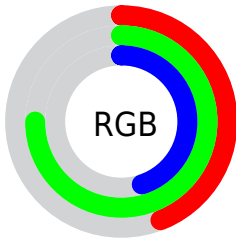
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 187, 190
Decimal	7454324
CIELab	70.59, -39.07, 30.09
CIELCh	71, 49.315, 142.400
Yxy	41.5986, 0.3050, 0.4471
Android (android.graphics.Color)	4285644404 (0xFF71BE74)
YUV	158.5410, -20.9727, -39.9395
Hunter-Lab	64.4970, -34.3374, 23.9525

# Details

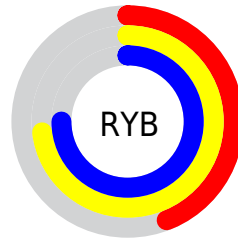
The XYZ color **28.3759, 41.5986, 23.0568** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.1113, 26.3460, 50.1971**, and the grayscale version is **32.8459, 34.5564, 37.6319**.

A 20% lighter version of the original color is **56.5706, 77.7109, 49.5542**, and **11.6209, 18.9434, 8.3541** is the 20% darker color. If you saturate the color by 10%, you get **25.2229, 40.0853, 17.8995**, and if you desaturate by 10%, it is **32.2516, 43.4628, 29.3395**.

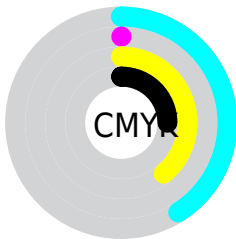
# Distribution



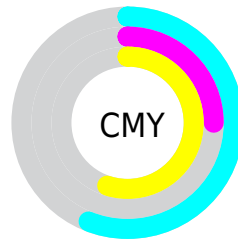
- Red (44%)
- Green (75%)
- Blue (45%)



- Red (44%)
- Yellow (73%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)



- Cyan (56%)
- Magenta (25%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3759, 41.5986, 23.0568 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 28.3759, 41.5986, 23.0568 by changing the saturation by 10% instead.



■ 28.3759, 41.5986,  
23.0568

■ 28.3759, 41.5986,  
23.0568

286.3064,  
352.8163, 281.1480

■ 18.7511, 28.7871,  
14.4298

■ 56.4885, 77.5918,  
49.4110

■ 11.5935, 18.9198,  
8.2780

■ 75.7070, 101.5422,  
67.9751

■ 6.5378, 11.6124,  
4.1830

■ 98.8541, 129.9745,  
90.6888

■ 3.2185, 6.4803,  
1.7263

126.2952,  
163.2729, 117.9705

■ 1.2703, 3.1393,  
0.3787

158.3956,  
201.8219, 150.2387

■ 0.1608, 1.2049,  
0.0000

195.5207,

■ 0.0000, 0.0657,

246.0059, 187.9120

0.0000

238.0359,  
296.2092, 231.4089

■ 0.0000, 0.0000,  
0.0000

■ 28.3759, 41.5986,  
23.0568

■ 28.3759, 41.5986,  
23.0568

■ 25.2229, 40.0853,  
17.8995

■ 32.2516, 43.4628,  
29.3395

■ 22.7449, 38.8960,  
13.7985

■ 36.8874, 45.6922,  
36.8056

■ 20.8935, 38.0087,  
10.6816


■ 42.3221, 48.3068,  
45.5125


■ 19.6126, 37.3960,  
8.4664


■ 48.5909, 51.3236,  
55.5131


■ 18.8360, 37.0261,  
7.0570

■ 55.7268, 54.7586,  
66.8570

 18.4549, 36.8448,  
6.3518

 63.7611, 58.6269,  
79.5915

 72.7234, 62.9428,  
93.7615

 77.7043, 65.3086,  
103.1181

# Harmonies

## Analogous

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



33.8617, 41.5986, 15.1796



28.3759, 41.5986, 23.0568



25.9495, 41.5986, 39.6132

# Triad

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



28.3759, 41.5986, 23.0568



37.5015, 41.5986, 105.9391



55.8698, 41.5986, 30.2526

# Complementary

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



28.3759, 41.5986, 23.0568



36.1113, 26.3460, 50.1971

# 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.



57.1958, 41.5986, 51.4931



28.3759, 41.5986, 23.0568



45.8161, 41.5986, 100.7535

# Square

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



28.3759, 41.5986, 23.0568



30.7262, 41.5986, 90.9727



53.3002, 41.5986, 78.5693



49.8920, 41.5986, 18.2276

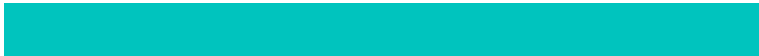


# Rectangle

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



28.3759, 41.5986, 23.0568



26.1220, 41.5986, 55.6316



53.3002, 41.5986, 78.5693



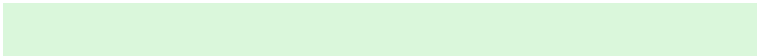
56.9048, 41.5986, 36.3232

# Sweetspot

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



28.3770, 41.6003, 23.0577



74.9453, 86.6953, 79.6809



41.9956, 48.6409, 22.7982



16.1600, 18.8944, 17.0214



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



28.3770, 41.6003, 23.0577



46.0821, 72.8180, 33.0540



31.0629, 42.6747, 37.2019



9.4235, 10.6555, 10.2134



12.2777, 24.5014, 4.2591



0.4861, 0.9618, 0.1943



# Inverse Universe

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



36.1113, 26.3460, 50.1971



62.0824, 41.2460, 89.1872



32.5610, 24.9259, 31.5018



9.9135, 9.6897, 11.9333



19.7826, 9.5442, 30.4785



0.7799, 0.3759, 1.2204



# Previews

## White Background



This preview shows how the XYZ color 28.3759, 41.5986, 23.0568 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 28.3759, 41.5986, 23.0568 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 28.3759, 41.5986, 23.0568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3759, 41.5986, 23.0568.



This preview shows how white text looks on a background with the XYZ color 28.3759, 41.5986,



# 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**

28.3759, 41.5986, 23.0568

**Protanopia**

38.0064, 41.1740, 20.4122

**Deuteranopia**

41.6902, 40.7934, 24.0890



## Tritanopia

35.4275, 41.6550, 57.8028

# Trichromacy



**Original Color**

28.3759, 41.5986, 23.0568

**Protanomaly**

33.5419, 40.8836, 21.4527

**Deuteranomaly**

35.1283, 39.9011, 23.6195

**Tritanomaly**

32.1918, 41.2451, 42.3408

# Monochromacy



**Original Color**

28.3759, 41.5986, 23.0568

**Achromatopsia**

32.9542, 34.6704, 37.7561

**Achromatomaly**

30.4880, 36.4834, 31.4217

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3759, 41.5986, 23.0568 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(113, 190, 116)` looks like.

```
.text, #text, p{  
    color:rgb(113, 190, 116)  
}
```

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(113, 190, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 190, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3759, 41.5986, 23.0568 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(113, 190, 116) }
```



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

```
.border{ border-color:rgb(113, 190, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 190, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 190, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 190, 116);  
box-shadow:4px 4px 4px 4px rgb(113, 190,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.3759, 41.5986, 23.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 190, 116) }
```

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

```
.background{ background-color: rgb(113,  
190, 116) }
```

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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