

# Converting Colors

XYZ(37.5678, 28.3751, 23.2356)

Have a look what the booklet for  
XYZ(37.5678, 28.3751, 23.2356)  
contains.

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# Color

**XYZ(37.5678, 28.3751,  
23.2356)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5757E
RGB	213, 117, 126
RGB Percent	84%, 46%, 49%
CMY	0.1647, 0.5412, 0.5059
CMYK	0.00, 0.45, 0.41, 0.16
HSL	354°, 53%, 65%
HSV	354°, 45%, 84%
XYZ	37.5678, 28.3751, 23.2356
YIQ	146.7300, 54.3270, 23.1510

# Conversions

## Conversions Part 2

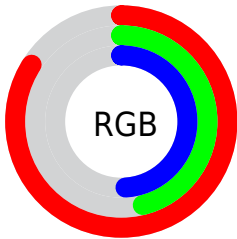
Format	Color
R <sub>Y</sub> B	213, 117, 126
Decimal	13989246
CIE Lab	60.23, 38.38, 11.91
CIE LCh	60, 40.185, 17.237
Yxy	28.3751, 0.4213, 0.3182
Android (android.graphics.Color)	4292179326 (0xFFD5757E)
YUV	146.7300, -10.2199, 58.1188
Hunter-Lab	53.2683, 32.6688, 11.4255

# Details

The XYZ color **37.5678, 28.3751, 23.2356** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.0309, 55.7307, 65.6719**, and the grayscale version is **27.6476, 29.0875, 31.6762**.

A 20% lighter version of the original color is **63.9396, 53.6405, 49.6315**, and **16.8053, 11.4008, 8.3360** is the 20% darker color. If you saturate the color by 10%, you get **34.2346, 23.5135, 16.5606**, and if you desaturate by 10%, it is **41.7074, 34.4648, 31.3657**.

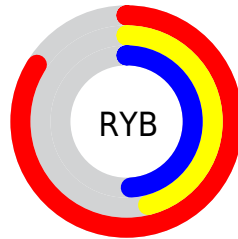
# Distribution



Red (84%)

Green (46%)

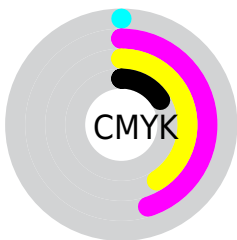
Blue (49%)



Red (84%)

Yellow (46%)

Blue (49%)

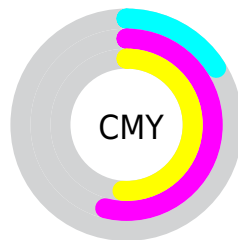


Cyan (0%)

Magenta (45%)

Yellow (41%)

Black (16%)



Cyan (16%)

Magenta (54%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5678, 28.3751, 23.2356 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 37.5678, 28.3751, 23.2356 by changing the saturation by 10% instead.



■ 37.5678, 28.3751,  
23.2356

■ 37.5678, 28.3751,  
23.2356

327.0753,  
294.2550, 282.0938

■ 25.8231, 18.6086,  
14.5606

■ 70.7534, 57.0828,  
49.7080

■ 16.8233, 11.3878,  
8.3684

■ 92.9250, 76.7927,  
68.3425

■ 10.2031, 6.3283,  
4.2405

■ 119.3029,  
100.5859, 91.1339

■ 5.5971, 3.0457,  
1.7582

150.2526,  
128.8468, 118.5008

■ 2.6400, 1.1557,  
0.4001

186.1393,  
161.9598, 150.8617

■ 0.9664, 0.0250,  
0.0000

227.3284,

■ 0.0000, 0.0000,

200.3092, 188.6351

0.0000

274.1853,  
244.2795, 232.2397

■ 37.5678, 28.3751,  
23.2356

■ 37.5678, 28.3751,  
23.2356

■ 34.2346, 23.5135,  
16.5606

■ 41.7074, 34.4648,  
31.3657

■ 31.6530, 19.7927,  
11.2532

■ 46.6992, 41.8538,  
41.0284

■ 29.7646, 17.1205,  
7.2188


■ 52.5880, 50.6128,  
52.2974


■ 28.5017, 15.3887,  
4.3500


■ 59.4150, 60.8062,  
65.2412

■ 27.7824, 14.4654,  
2.5216

■ 67.2186, 72.4943,  
79.9244

 27.5665, 14.1965,  
1.9472

 76.0352, 85.7341,  
96.4082

 81.2506, 92.8861,  
108.2542

# Harmonies

## Analogous

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



37.8178, 28.3751, 37.5889



37.5678, 28.3751, 23.2356



34.2618, 28.3751, 14.4103

# Triad

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



37.5678, 28.3751, 23.2356



20.3375, 28.3751, 15.3719



24.8421, 28.3751, 67.5974

# Complementary

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



37.5678, 28.3751, 23.2356



42.0309, 55.7307, 65.6719

# 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.



20.7934, 28.3751, 56.7224



37.5678, 28.3751, 23.2356



18.4240, 28.3751, 25.0482

# Square

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



37.5678, 28.3751, 23.2356



24.1423, 28.3751, 10.9633



18.5796, 28.3751, 40.0775



30.0096, 28.3751, 66.6369



# Rectangle

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



37.5678, 28.3751, 23.2356



30.9825, 28.3751, 11.4384



18.5796, 28.3751, 40.0775



23.3192, 28.3751, 65.0891

# Sweetspot

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



37.5685, 28.3765, 23.2361



79.9213, 77.3883, 80.2866



43.1101, 30.2809, 66.5235



16.6622, 15.9022, 16.3384



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.



37.5685, 28.3765, 23.2361



51.6792, 35.6698, 25.3517



42.4405, 39.0079, 22.1239



12.4700, 12.4395, 13.1495



16.8555, 8.6785, 1.2773



1.0333, 0.5301, 0.1645



# Inverse Universe

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



37.5685, 28.3765, 23.2361



51.6792, 35.6698, 25.3517



34.5999, 39.0919, 68.6727



12.4700, 12.4395, 13.1495



16.8555, 8.6785, 1.2773



1.0333, 0.5301, 0.1645



# Previews

## White Background



This preview shows how the XYZ color 37.5678, 28.3751, 23.2356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5678, 28.3751, 23.2356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

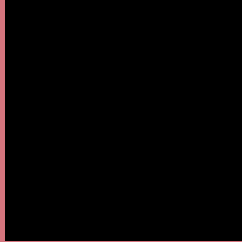
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.5678, 28.3751, 23.2356**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5678, 28.3751, 23.2356.



This preview shows how white text looks on a background with the XYZ color 37.5678, 28.3751,



# 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

37.5678, 28.3751, 23.2356

### Protanopia

27.3275, 28.5634, 29.2723

### Deuteranopia

29.0394, 28.4861, 22.3802



## Tritanopia

37.5678, 28.3751, 23.2356

# Trichromacy



## Original Color

37.5678, 28.3751, 23.2356

## Protanomaly

30.1212, 27.8762, 27.0856

## Deuteranomaly

31.5936, 28.1229, 22.5020

## Tritanomaly

37.5678, 28.3751, 23.2356

# Monochromacy



## Original Color

37.5678, 28.3751, 23.2356

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.2589, 28.1303, 28.2610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5678, 28.3751, 23.2356 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(213, 117, 126)` looks like.

```
.text, #text, p{  
    color:rgb(213, 117, 126)  
}
```

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(213, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 117, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5678, 28.3751, 23.2356 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(213, 117, 126) }
```



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

```
.border{ border-color:rgb(213, 117, 126) }
```

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

Here you see how a box with a 4 pixel rgb(213, 117, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(213, 117,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5678, 28.3751, 23.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 117, 126) }
```

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

```
.background{ background-color: rgb(213,  
117, 126) }
```

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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