

# Converting Colors

XYZ(37.5222, 27.0636, 20.2571)

Have a look what the booklet for  
XYZ(37.5222, 27.0636, 20.2571)  
contains.

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# Color

**XYZ(37.6521, 27.1507,  
20.3957)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA6D76
RGB	218, 109, 118
RGB Percent	85%, 43%, 46%
CMY	0.1451, 0.5725, 0.5373
CMYK	0.00, 0.50, 0.46, 0.15
HSL	355°, 60%, 64%
HSV	355°, 50%, 85%
XYZ	37.6521, 27.1507, 20.3957
YIQ	142.6170, 62.0750, 25.9070

# Conversions

## Conversions Part 2

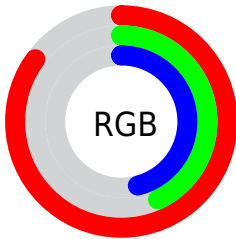
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 109, 118
Decimal	14314870
CIE <sub>Lab</sub>	59.11, 43.45, 15.07
CIE <sub>LCh</sub>	59, 45.989, 19.131
Yxy	27.1507, 0.4419, 0.3187
Android (android.graphics.Color)	4292504950 (0xFFDA6D76)
YUV	142.6170, -12.1362, 66.1109
Hunter-Lab	52.1063, 37.7982, 13.2669

# Details

The XYZ color **37.6521, 27.1507, 20.3957** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.8881, 57.9981, 69.2594**, and the grayscale version is **25.9861, 27.3394, 29.7726**.

A 20% lighter version of the original color is **61.5929, 50.3567, 44.5037**, and **16.8667, 10.7394, 6.9783** is the 20% darker color. If you saturate the color by 10%, you get **34.5429, 22.6371, 14.1040**, and if you desaturate by 10%, it is **41.5913, 32.9211, 28.2078**.

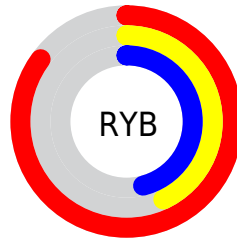
# Distribution



Red (85%)

Green (43%)

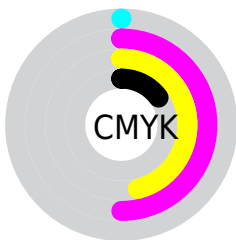
Blue (46%)



Red (85%)

Yellow (43%)

Blue (46%)

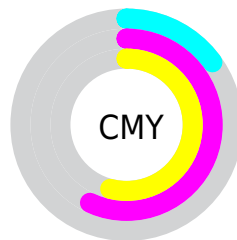


Cyan (0%)

Magenta (50%)

Yellow (46%)

Black (15%)



Cyan (15%)

Magenta (57%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6521, 27.1507, 20.3957 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 37.6521, 27.1507, 20.3957 by changing the saturation by 10% instead.





 37.6521, 27.1507,  
20.3957


 37.6521, 27.1507,  
20.3957

327.4319,  
288.3860, 266.7240


 25.8888, 17.6864,  
12.4961


 70.8819, 55.1256,  
44.9473


 16.8727, 10.7251,  
6.9559


 93.0791, 74.4050,  
62.4363

 10.2385, 5.8823,  
3.3565


 119.4850, 97.7250,  
83.9589

 5.6209, 2.7736,  
1.2794

 150.4649,  
125.4698, 109.9336

 2.6544, 1.0147,  
0.0448

186.3842,  
158.0239, 140.7789

 0.9738, 0.0000,  
0.0000

227.6082,

 0.0000, 0.0000,

195.7717, 176.9134

0.0000

274.5024,  
239.0977, 218.7556

■ 37.6521, 27.1507,  
20.3957

■ 37.6521, 27.1507,  
20.3957

■ 34.5429, 22.6371,  
14.1040

■ 41.5913, 32.9211,  
28.2078

■ 32.2022, 19.2829,  
9.2323

■ 46.4121, 40.0280,  
37.6291

■ 30.5631, 16.9831,  
5.6699


■ 52.1644, 48.5493,  
48.7432


■ 29.5464, 15.6118,  
3.2896


■ 58.8935, 58.5559,  
61.6275

■ 29.0226, 14.9492,  
1.9279

■ 66.6421, 70.1138,  
76.3547

 29.0225, 14.9490,  
1.9276

 75.4502, 83.2851,  
92.9933

 82.7234, 93.6454,  
108.3231

# Harmonies

## Analogous

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



38.1820, 27.1507, 35.9079



37.6521, 27.1507, 20.3957



33.6911, 27.1507, 11.5695

# Triad

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



37.6521, 27.1507, 20.3957



18.3513, 27.1507, 13.3724



23.7873, 27.1507, 72.5318

# Complementary

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



37.6521, 27.1507, 20.3957



42.8881, 57.9981, 69.2594

# 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.



19.2584, 27.1507, 60.3465



37.6521, 27.1507, 20.3957



16.4428, 27.1507, 24.0125

# Square

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



37.6521, 27.1507, 20.3957



22.3672, 27.1507, 8.6741



16.7483, 27.1507, 41.1317



29.5802, 27.1507, 70.4165



# Rectangle

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



37.6521, 27.1507, 20.3957



29.9250, 27.1507, 8.8192



16.7483, 27.1507, 41.1317



22.0833, 27.1507, 69.8352

# Sweetspot

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



37.6528, 27.1521, 20.3962



78.8943, 75.9193, 78.1409



44.3952, 29.5438, 69.6922



16.4576, 15.6121, 15.9030



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.



37.6528, 27.1521, 20.3962



49.0644, 31.9920, 19.6961



43.2992, 39.2599, 19.7657



13.0994, 13.0689, 13.7849



17.4036, 8.9625, 1.2392



1.1430, 0.5868, 0.1618



# Inverse Universe

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



37.6528, 27.1521, 20.3962



49.0644, 31.9920, 19.6961



33.8266, 38.0422, 71.8895



13.0994, 13.0689, 13.7849



17.4036, 8.9625, 1.2392



1.1430, 0.5868, 0.1618



# Previews

## White Background



This preview shows how the XYZ color 37.6521, 27.1507, 20.3957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

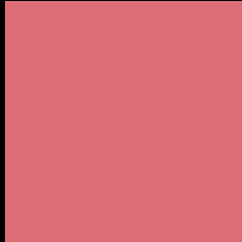
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6521, 27.1507, 20.3957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

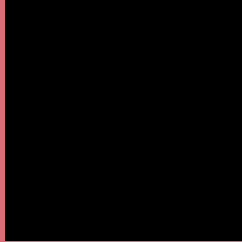
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.6521, 27.1507, 20.3957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6521, 27.1507, 20.3957.



This preview shows how white text looks on a background with the XYZ color 37.6521, 27.1507,



# 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

37.6521, 27.1507, 20.3957

### Protanopia

26.0788, 27.2983, 26.8163

### Deuteranopia

27.8626, 27.2991, 19.4235



## Tritanopia

37.5930, 27.1271, 20.0843

# Trichromacy



## Original Color

37.6521, 27.1507, 20.3957

## Protanomaly

29.1787, 26.4345, 24.3334

## Deuteranomaly

30.9336, 26.8557, 19.7729

## Tritanomaly

37.5930, 27.1271, 20.0843

# Monochromacy



## Original Color

37.6521, 27.1507, 20.3957

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

28.9969, 26.4999, 26.1409

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6521, 27.1507, 20.3957 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(218, 109, 118)` looks like.

```
.text, #text, p{  
    color:rgb(218, 109, 118)  
}
```

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(218, 109, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 109, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6521, 27.1507, 20.3957 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(218, 109, 118) }
```



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

```
.border{ border-color:rgb(218, 109, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 109, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 109, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 109, 118); box-shadow:4px 4px 4px 4px rgb(218, 109, 118) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6521, 27.1507, 20.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 109, 118) }
```

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

```
.background{ background-color: rgb(218,  
109, 118) }
```

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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