

# Converting Colors

XYZ(47.7293, 37.0034, 27.6345)

Have a look what the booklet for  
XYZ(47.7293, 37.0034, 27.6345)  
contains.

<b>XYZ(47.6292, 36.9101, 27.5357)</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(47.6292, 36.9101,  
27.5357)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC8787
RGB	236, 135, 135
RGB Percent	93%, 53%, 53%
CMY	0.0745, 0.4706, 0.4706
CMYK	0.00, 0.43, 0.43, 0.07
HSL	0°, 73%, 73%
HSV	0°, 43%, 93%
XYZ	47.6292, 36.9101, 27.5357
YIQ	165.1990, 60.1960, 21.4120

# Conversions

## Conversions Part 2

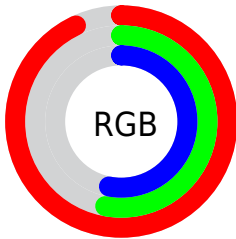
Format	Color
R <sub>Y</sub> B	236, 135, 135
Decimal	15501191
CIE Lab	67.21, 38.48, 16.99
CIE LCh	67, 42.066, 23.820
Yxy	36.9101, 0.4250, 0.3293
Android (android.graphics.Color)	4293691271 (0xFFEC8787)
YUV	165.1990, -14.8881, 62.0925
Hunter-Lab	60.7537, 33.6201, 15.6553

# Details

The XYZ color **47.6292, 36.9101, 27.5357** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.1258, 71.1945, 90.1932**, and the grayscale version is **35.9097, 37.7798, 41.1422**.

A 20% lighter version of the original color is **68.7306, 61.7178, 55.8672**, and **22.8644, 16.1895, 10.5141** is the 20% darker color. If you saturate the color by 10%, you get **43.2124, 30.4475, 18.7544**, and if you desaturate by 10%, it is **53.1458, 44.9830, 38.5011**.

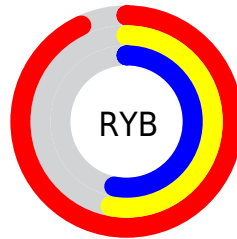
# Distribution



Red (93%)

Green (53%)

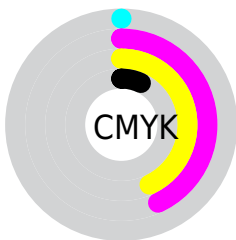
Blue (53%)



Red (93%)

Yellow (53%)

Blue (53%)

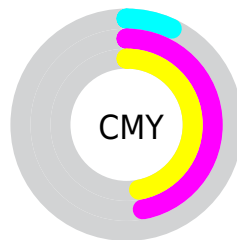


Cyan (0%)

Magenta (43%)

Yellow (43%)

Black (7%)



Cyan (7%)

Magenta (47%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6292, 36.9101, 27.5357 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 47.6292, 36.9101, 27.5357 by changing the saturation by 10% instead.





 47.6292, 36.9101,  
27.5357


 47.6292, 36.9101,  
27.5357

367.9276,  
332.9211, 304.0834


 33.7434, 25.1379,  
17.7400


 85.8651, 70.4345,  
56.7565

 22.8585, 16.1798,  
10.5960


 110.9459, 92.9555,  
77.0186

 14.6092, 9.6515,  
5.6851


 140.4890,  
119.8282, 101.6065

 8.6301, 5.1685,  
2.5889

174.8599,  
151.4370, 130.9389

 4.5559, 2.3465,  
0.8867

214.4238,  
188.1663, 165.4343

 2.0212, 0.7981,  
0.0000

259.5462,

 0.6458, 0.0000,

230.4005, 205.5111

0.0000

310.5923,  
278.5240, 251.5880

■ 0.0000, 0.0000,  
0.0000

■ 47.6292, 36.9101,  
27.5357

■ 47.6292, 36.9101,  
27.5357

■ 43.2124, 30.4475,  
18.7544

■ 53.1458, 44.9830,  
38.5011

■ 39.8193, 25.4823,  
12.0093

■ 59.8260, 54.7581,  
51.7811

■ 37.3684, 21.8959,  
7.1373

■ 67.7322, 66.3270,  
67.4984

■ 35.7649, 19.5493,  
3.9499

■ 76.9214, 79.7734,  
85.7662

■ 34.8938, 18.2746,  
2.2186

■ 87.4470, 95.1752,  
106.6910

■ 34.5921, 17.8331,  
1.6189

■ 88.4020, 96.5728,  
108.5889

# Harmonies

## Analogous

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



48.8405, 36.9101, 44.1161



47.6292, 36.9101, 27.5357



42.8850, 36.9101, 17.8749

# Triad

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



47.6292, 36.9101, 27.5357



26.0320, 36.9101, 22.7236



33.7697, 36.9101, 86.5758

# Complementary

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



47.6292, 36.9101, 27.5357



55.1258, 71.1945, 90.1932

# 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.



28.2879, 36.9101, 76.0093



47.6292, 36.9101, 27.5357



24.1853, 36.9101, 36.5018

# Square

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



47.6292, 36.9101, 27.5357



30.3292, 36.9101, 15.7477



24.9579, 36.9101, 56.2232



40.3069, 36.9101, 81.9797



# Rectangle

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



47.6292, 36.9101, 27.5357



38.6353, 36.9101, 14.9008



24.9579, 36.9101, 56.2232



31.7534, 36.9101, 84.5981

# Sweetspot

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



47.6301, 36.9120, 27.5364



80.4867, 78.6898, 79.9484



58.3964, 41.2172, 84.2346



16.7544, 16.1507, 16.1719



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.



47.6301, 36.9120, 27.5364



52.2667, 37.3958, 23.8487



56.4191, 54.4898, 30.4660



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



55.1258, 71.1945, 90.1932



62.2578, 83.0915, 107.3647



42.5860, 46.1148, 86.0132



15.5177, 17.1218, 19.4092



24.8776, 36.4021, 49.4581



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 47.6292, 36.9101, 27.5357 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 47.6292, 36.9101, 27.5357 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 47.6292, 36.9101, 27.5357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6292, 36.9101, 27.5357.



This preview shows how white text looks on a background with the XYZ color 47.6292, 36.9101,



# 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

47.6292, 36.9101, 27.5357

### Protanopia

35.0996, 36.9104, 33.7082

### Deuteranopia

37.8095, 37.1688, 26.6542



## Tritanopia

48.4081, 37.0379, 30.5842

# Trichromacy



## Original Color

47.6292, 36.9101, 27.5357

## Protanomaly

38.6734, 36.2654, 31.3472

## Deuteranomaly

40.8033, 36.7440, 26.7715

## Tritanomaly

48.1838, 36.9482, 29.4031

# Monochromacy



## Original Color

47.6292, 36.9101, 27.5357

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

38.8742, 36.5207, 35.5722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6292, 36.9101, 27.5357 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(236, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(236, 135, 135)  
}
```

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(236, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 135, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6292, 36.9101, 27.5357 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(236, 135, 135) }
```



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

```
.border{ border-color:rgb(236, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(236, 135,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6292, 36.9101, 27.5357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 135, 135) }
```

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

```
.background{ background-color: rgb(236,  
135, 135) }
```

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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