

# Converting Colors

XYZ(47.2963, 35.9648, 25.5514)

Have a look what the booklet for  
XYZ(47.2963, 35.9648, 25.5514)  
contains.

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# Color

**XYZ(47.4055, 36.0214,  
25.5734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE8382
RGB	238, 131, 130
RGB Percent	93%, 51%, 51%
CMY	0.0667, 0.4862, 0.4902
CMYK	0.00, 0.45, 0.45, 0.07
HSL	1°, 76%, 72%
HSV	1°, 45%, 93%
XYZ	47.4055, 36.0214, 25.5734
YIQ	162.8790, 64.0930, 22.3730

# Conversions

## Conversions Part 2

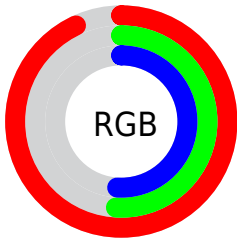
Format	Color
R <sub>Y</sub> B	238, 131, 130
Decimal	15631234
CIE Lab	66.54, 40.76, 18.91
CIE LCh	67, 44.933, 24.883
Yxy	36.0214, 0.4349, 0.3305
Android (android.graphics.Color)	4293821314 (0xFFEE8382)
YUV	162.8790, -16.2093, 65.8811
Hunter-Lab	60.0178, 35.9583, 16.7492

# Details

The XYZ color **47.4055, 36.0214, 25.5734** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.9213, 71.4842, 91.7921**, and the grayscale version is **34.8095, 36.6223, 39.8817**.

A 20% lighter version of the original color is **67.3461, 59.7967, 52.7921**, and **22.6413, 15.6510, 9.6122** is the 20% darker color. If you saturate the color by 10%, you get **43.1743, 29.8268, 17.1722**, and if you desaturate by 10%, it is **52.7285, 43.8084, 36.1618**.

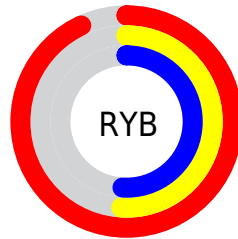
# Distribution



Red (93%)

Green (51%)

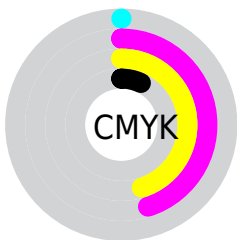
Blue (51%)



Red (93%)

Yellow (51%)

Blue (51%)

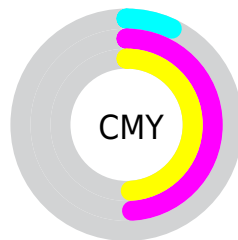


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (7%)



Cyan (7%)

Magenta (49%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4055, 36.0214, 25.5734 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 47.4055, 36.0214, 25.5734 by changing the saturation by 10% instead.





 47.4055, 36.0214,  
25.5734


 47.4055, 36.0214,  
25.5734


367.0527,  
329.0541, 294.2201

 33.5656, 24.4507,  
16.2819


 85.5337, 69.0651,  
53.5615

 22.7214, 15.6683,  
9.5673


 110.5526, 91.3069,  
73.0952

 14.5075, 9.2897,  
5.0112


 140.0287,  
117.8745, 96.8801

 8.5585, 4.9307,  
2.1950


174.3272,  
149.1524, 125.3346

 4.5092, 2.2066,  
0.6715

213.8135,  
185.5249, 158.8773

 1.9940, 0.7236,  
0.0000

258.8530,

 0.6306, 0.0000,

227.3764, 197.9268

0.0000

309.8109,  
275.0913, 242.9015

■ 0.0000, 0.0000,  
0.0000

■ 47.4055, 36.0214,  
25.5734

■ 47.4055, 36.0214,  
25.5734

■ 43.1743, 29.8268,  
17.1722

■ 52.7285, 43.8084,  
36.1618

■ 39.9569, 25.1098,  
10.8036

■ 59.2087, 53.2814,  
49.0735

■ 37.6691, 21.7490,  
6.2962

■ 66.9098, 64.5331,  
64.4357

■ 36.2124, 19.6014,  
3.4495

■ 75.8898, 77.6481,  
82.3658

■ 35.4657, 18.4921,  
2.0167

■ 86.2033, 92.7055,  
102.9740

■ 35.2839, 18.2252,  
1.6582

■ 89.0699, 96.9171,  
108.6201

# Harmonies

## Analogous

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



48.8518, 36.0214, 42.6289



47.4055, 36.0214, 25.5734



42.2550, 36.0214, 16.0044

# Triad

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



47.4055, 36.0214, 25.5734



24.6844, 36.0214, 21.4962



33.0933, 36.0214, 89.0836

# Complementary

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



47.4055, 36.0214, 25.5734



54.9213, 71.4842, 91.7921

# 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.



27.3039, 36.0214, 78.1364



47.4055, 36.0214, 25.5734



22.8736, 36.0214, 36.0001

# Square

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



47.4055, 36.0214, 25.5734



29.0637, 36.0214, 14.2498



23.7658, 36.0214, 57.0229



39.9910, 36.0214, 83.5008



# Rectangle

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



47.4055, 36.0214, 25.5734



37.7330, 36.0214, 13.1764



23.7658, 36.0214, 57.0229



30.9644, 36.0214, 87.1325

# Sweetspot

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



47.4064, 36.0232, 25.5741



79.5625, 77.3839, 77.9683



58.6753, 40.3157, 85.5781



16.5763, 15.9011, 15.7836



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.



47.4064, 36.0232, 25.5741



51.0157, 35.6458, 21.1138



56.4298, 54.0701, 28.5819



15.7846, 15.7824, 16.3641



19.6900, 10.1781, 0.9268



1.6422, 0.8550, 0.0785



# Inverse Universe

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



54.9213, 71.4842, 91.7921



60.7789, 81.7275, 107.1793



41.7793, 45.2002, 87.4114



16.2341, 17.9022, 20.3215



25.3154, 36.8551, 50.9074



2.1101, 3.0741, 4.2364



# Previews

## White Background



This preview shows how the XYZ color 47.4055, 36.0214, 25.5734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

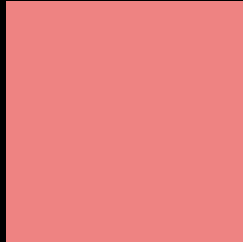
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4055, 36.0214, 25.5734 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 47.4055, 36.0214, 25.5734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4055, 36.0214, 25.5734.



This preview shows how white text looks on a background with the XYZ color 47.4055, 36.0214,

25.5734.

# 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

47.4055, 36.0214, 25.5734

### Protanopia

34.3934, 36.3200, 31.9858

### Deuteranopia

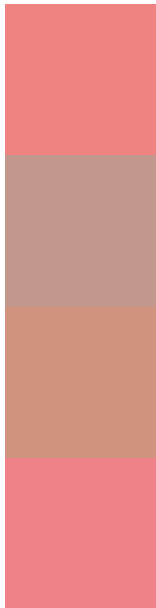
36.8896, 36.2304, 24.7875



## Tritanopia

48.2394, 36.1801, 28.8671

# Trichromacy



**Original Color**

47.4055, 36.0214, 25.5734

**Protanomaly**

38.0484, 35.4960, 29.6570

**Deuteranomaly**

39.9966, 35.6651, 24.8547

**Tritanomaly**

48.0232, 36.0936, 27.7282

# Monochromacy



**Original Color**

47.4055, 36.0214, 25.5734

**Achromatopsia**

34.8123, 36.6253, 39.8849

**Achromatomaly**

37.8877, 35.3147, 34.0977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4055, 36.0214, 25.5734 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(238, 131, 130)` looks like.

```
.text, #text, p{  
    color:rgb(238, 131, 130)  
}
```

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(238, 131, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 131, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4055, 36.0214, 25.5734 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(238, 131, 130) }
```



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

```
.border{ border-color:rgb(238, 131, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 131, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 131, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 131, 130);  
box-shadow:4px 4px 4px 4px rgb(238, 131,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4055, 36.0214, 25.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 131, 130) }
```

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

```
.background{ background-color: rgb(238,  
131, 130) }
```

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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