

# Converting Colors

XYZ(46.2625, 35.1386, 20.8671)

Have a look what the booklet for  
XYZ(46.2625, 35.1386, 20.8671)  
contains.

<b>XYZ(46.2625, 35.1386, 20.8671)</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(46.2625, 35.1386,  
20.8671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE8174
RGB	238, 129, 116
RGB Percent	93%, 51%, 45%
CMY	0.0667, 0.4941, 0.5451
CMYK	0.00, 0.46, 0.51, 0.07
HSL	6°, 78%, 69%
HSV	6°, 51%, 93%
XYZ	46.2625, 35.1386, 20.8671
YIQ	160.1090, 69.1370, 19.0650

# Conversions

## Conversions Part 2

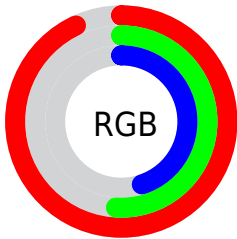
Format	Color
R <sub>Y</sub> B	238, 131, 116
Decimal	15630708
CIE Lab	65.86, 40.48, 25.82
CIE LCh	66, 48.014, 32.535
Yxy	35.1386, 0.4524, 0.3436
Android (android.graphics.Color)	4293820788 (0xFFEE8174)
YUV	160.1090, -21.7457, 68.3104
Hunter-Lab	59.2778, 35.5715, 20.6231

# Details

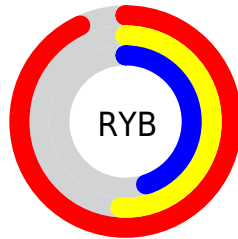
The XYZ color **46.2625, 35.1386, 20.8671** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **49.5586, 63.7330, 90.5782**, and the grayscale version is **33.5396, 35.2863, 38.4268**.

A 20% lighter version of the original color is **65.4484, 58.3681, 44.8625**, and **22.0574, 15.1901, 7.2383** is the 20% darker color. If you saturate the color by 10%, you get **42.5359, 29.6246, 13.6476**, and if you desaturate by 10%, it is **50.9281, 41.9635, 30.1496**.

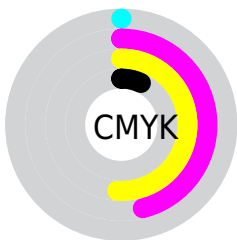
# Distribution



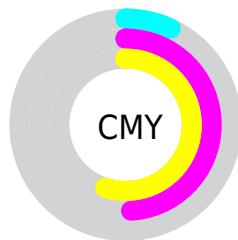
- Red (93%)
- Green (51%)
- Blue (45%)



- Red (93%)
- Yellow (51%)
- Blue (45%)



- Cyan (0%)
- Magenta (46%)
- Yellow (51%)
- Black (7%)




- Cyan (7%)
- Magenta (49%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2625, 35.1386, 20.8671 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 46.2625, 35.1386, 20.8671 by changing the saturation by 10% instead.





 46.2625, 35.1386,  
20.8671


 46.2625, 35.1386,  
20.8671


362.5613,  
325.1797, 269.3292

 32.6585, 23.7697,  
12.8366


 83.8372, 67.7004,  
45.7442

 22.0230, 15.1628,  
7.1867


 108.5386, 89.6621,  
63.4278

 13.9905, 8.9338,  
3.4989


 137.6698,  
115.9235, 85.1662

 8.1957, 4.6980,  
1.3547

171.5963,  
146.8689, 111.3780

 4.2733, 2.0712,  
0.1060

210.6833,  
182.8829, 142.4816

 1.8579, 0.6483,  
0.0000

255.2962,

 0.5522, 0.0000,

224.3498, 178.8957

0.0000

305.8004,  
271.6539, 221.0387

■ 0.0000, 0.0000,  
0.0000

■ 46.2625, 35.1386,  
20.8671

■ 46.2625, 35.1386,  
20.8671

■ 42.5359, 29.6246,  
13.6476

■ 50.9281, 41.9635,  
30.1496

■ 39.6818, 25.3321,  
8.3314

■ 56.5883, 50.1704,  
41.6346

■ 37.6286, 22.1693,  
4.7384


■ 63.2971, 59.8315,  
55.4516

■ 36.2923, 20.0286,  
2.6529

■ 71.1040, 71.0127,  
71.7193

■ 35.6154, 18.8884,  
1.7687

■ 80.0554, 83.7756,  
90.5488

 89.0697, 96.9171,  
108.6201

# Harmonies

## Analogous

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



48.9555, 35.1386, 36.5589



46.2625, 35.1386, 20.8671



40.0897, 35.1386, 13.0186

# Triad

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



46.2625, 35.1386, 20.8671



22.7021, 35.1386, 22.9281



34.0048, 35.1386, 92.0320

# Complementary

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



46.2625, 35.1386, 20.8671



49.5586, 63.7330, 90.5782

# 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.



27.4961, 35.1386, 84.4193



46.2625, 35.1386, 20.8671



21.5446, 35.1386, 40.0130

# Square

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



46.2625, 35.1386, 20.8671



26.5888, 35.1386, 13.8785



23.1715, 35.1386, 63.3378



41.2809, 35.1386, 81.5261



# Rectangle

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



46.2625, 35.1386, 20.8671



35.2012, 35.1386, 11.1339



23.1715, 35.1386, 63.3378



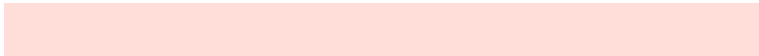
31.6578, 35.1386, 91.5073

# Sweetspot

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



46.2634, 35.1404, 20.8677



79.5429, 77.8788, 76.3150



55.2052, 36.1481, 75.8751



16.6111, 16.0759, 15.4711



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.



46.2634, 35.1404, 20.8677



49.3827, 34.1006, 15.2641



56.6529, 55.9194, 24.3309



15.9084, 16.0299, 16.4053



19.9142, 10.6264, 1.0015



1.7014, 0.9735, 0.0982



# Inverse Universe

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



49.5586, 63.7330, 90.5782



53.5859, 70.9896, 105.4858



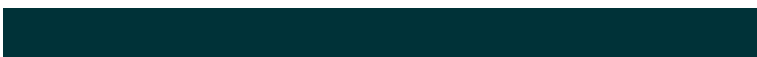
36.0543, 36.7244, 86.0768



16.0950, 17.6242, 20.2751



21.8901, 30.0044, 49.7656



1.8620, 2.5779, 4.1537



# Previews

## White Background



This preview shows how the XYZ color 46.2625, 35.1386, 20.8671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

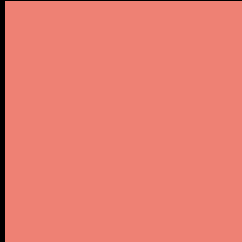
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2625, 35.1386, 20.8671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

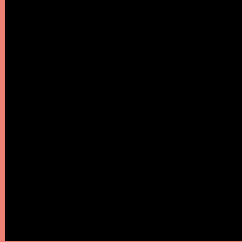
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2625, 35.1386, 20.8671**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2625, 35.1386, 20.8671.



This preview shows how white text looks on a background with the XYZ color 46.2625, 35.1386,



# 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

46.2625, 35.1386, 20.8671

### Protanopia

33.1776, 35.2994, 26.1839

### Deuteranopia

35.9661, 35.3574, 20.2583



## Tritanopia

47.4306, 35.0217, 27.1817

# Trichromacy



## Original Color

46.2625, 35.1386, 20.8671

## Protanomaly

36.9548, 34.5777, 24.1285

## Deuteranomaly

39.1185, 34.8529, 20.2883

## Tritanomaly

47.0823, 35.0880, 24.7132

# Monochromacy



## Original Color

46.2625, 35.1386, 20.8671

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

36.5205, 34.1999, 31.0620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2625, 35.1386, 20.8671 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, 129, 116)` looks like.

```
.text, #text, p{  
    color:rgb(238, 129, 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(238, 129, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 129, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2625, 35.1386, 20.8671 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, 129, 116) }
```



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

```
.border{ border-color:rgb(238, 129, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 129, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 129, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 129, 116); box-shadow:4px 4px 4px 4px rgb(238, 129, 116) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2625, 35.1386, 20.8671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 129, 116) }
```

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

```
.background{ background-color: rgb(238,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor