

# Converting Colors

XYZ(43.8907, 28.1907, 20.2676)

Have a look what the booklet for  
XYZ(43.8907, 28.1907, 20.2676)  
contains.

<b>XYZ(43.8907, 28.1907, 20.2676)</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(43.8907, 28.1907,  
20.2676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F25E76
RGB	242, 94, 118
RGB Percent	95%, 37%, 46%
CMY	0.0510, 0.6313, 0.5373
CMYK	0.00, 0.61, 0.51, 0.05
HSL	350°, 85%, 66%
HSV	350°, 61%, 95%
XYZ	43.8907, 28.1907, 20.2676
YIQ	140.9880, 80.5040, 38.8400

# Conversions

## Conversions Part 2

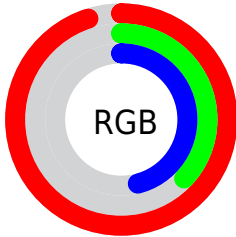
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 94, 118
Decimal	15883894
CIE <sub>Lab</sub>	60.06, 58.62, 16.94
CIE <sub>LCh</sub>	60, 61.021, 16.122
Yxy	28.1907, 0.4753, 0.3053
Android (android.graphics.Color)	4294073974 (0xFFFF25E76)
YUV	140.9880, -11.3331, 88.5875
Hunter-Lab	53.0949, 54.6402, 14.5340

# Details

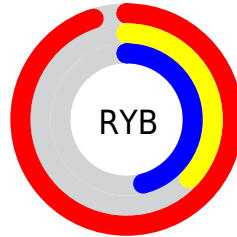
The XYZ color **43.8907, 28.1907, 20.2676** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **49.0250, 70.9466, 77.4454**, and the grayscale version is **25.3349, 26.6543, 29.0265**.

A 20% lighter version of the original color is **59.4020, 45.9750, 43.7734**, and **20.4717, 11.2332, 6.8836** is the 20% darker color. If you saturate the color by 10%, you get **40.9877, 24.1103, 13.9805**, and if you desaturate by 10%, it is **47.7285, 33.7264, 28.1445**.

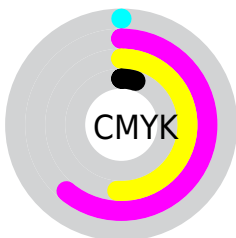
# Distribution



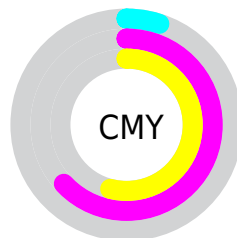
- Red (95%)
- Green (37%)
- Blue (46%)



- Red (95%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (61%)
- Yellow (51%)
- Black (5%)




- Cyan (5%)
- Magenta (63%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8907, 28.1907, 20.2676 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 43.8907, 28.1907, 20.2676 by changing the saturation by 10% instead.





 43.8907, 28.1907,  
20.2676


 43.8907, 28.1907,  
20.2676


353.1218,  
293.3770, 266.0121

 30.7821, 18.4695,  
12.4037


 80.3006, 56.7888,  
44.7302


 20.5840, 11.2876,  
6.8934


 104.3327, 76.4344,  
62.1661

 12.9310, 6.2606,  
3.3181


 132.7366,  
100.1569, 83.6296

 7.4577, 3.0042,  
1.2593

 165.8778,  
128.3407, 109.5394

 3.7988, 1.1339,  
0.0280

204.1215,  
161.3703, 140.3140

 1.5890, 0.0067,  
0.0000

247.8332,

 0.3852, 0.0000,

199.6299, 176.3720

0.0000

297.3782,  
243.5040, 218.1318

■ 0.0000, 0.0000,  
0.0000

■ 43.8907, 28.1907,  
20.2676

■ 43.8907, 28.1907,  
20.2676

■ 40.9877, 24.1103,  
13.9805

■ 47.7285, 33.7264,  
28.1445

■ 38.9350, 21.3429,  
9.1717

■ 52.5712, 40.8329,  
37.7092

■ 37.6364, 19.7258,  
5.7170

■ 58.4846, 49.6194,  
49.0533

■ 36.9879, 19.0252,  
3.6624

■ 65.5283, 60.1841,  
62.2615

■ 73.7575, 72.6174,  
77.4127

■ 83.2235, 87.0038,  
94.5816

■ 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



44.1018, 28.1907, 42.1619



43.8907, 28.1907, 20.2676



38.5599, 28.1907, 9.0100

# Triad

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



43.8907, 28.1907, 20.2676



17.3921, 28.1907, 9.5444



23.3637, 28.1907, 93.9135

# Complementary

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



43.8907, 28.1907, 20.2676



49.0250, 70.9466, 77.4454

# 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.



17.7046, 28.1907, 73.0988



43.8907, 28.1907, 20.2676



14.7361, 28.1907, 21.5219

# Square

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



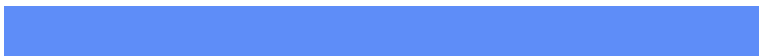
43.8907, 28.1907, 20.2676



22.8508, 28.1907, 5.1904



14.8382, 28.1907, 44.1970



31.1675, 28.1907, 93.0010



# Rectangle

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



43.8907, 28.1907, 20.2676



33.3184, 28.1907, 5.8204



14.8382, 28.1907, 44.1970



21.1830, 28.1907, 88.9119

# Sweetspot

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



43.8914, 28.1922, 20.2681



76.5298, 71.8959, 75.1769



48.7453, 29.2209, 87.0752



15.8302, 14.5591, 15.0718



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.



43.8914, 28.1922, 20.2681



45.6124, 26.3992, 14.5029



48.5121, 39.4325, 15.6462



15.8773, 15.8006, 16.9101



19.9028, 10.2336, 2.1389



1.6863, 0.8636, 0.3390



# Inverse Universe

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



43.8914, 28.1922, 20.2681



45.6124, 26.3992, 14.5029



39.6410, 46.7849, 90.9452



15.8773, 15.8006, 16.9101



19.9028, 10.2336, 2.1389



1.6863, 0.8636, 0.3390



# Previews

## White Background



This preview shows how the XYZ color 43.8907, 28.1907, 20.2676 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 43.8907, 28.1907, 20.2676 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 43.8907, 28.1907, 20.2676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8907, 28.1907, 20.2676.



This preview shows how white text looks on a background with the XYZ color 43.8907, 28.1907,



# 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

43.8907, 28.1907, 20.2676

### Protanopia

27.1439, 28.2256, 30.0040

### Deuteranopia

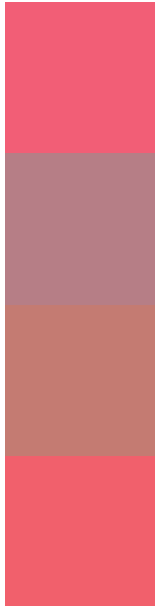
28.6794, 28.1590, 18.9626



## Tritanopia

42.9985, 28.2294, 16.0145

# Trichromacy



## Original Color

43.8907, 28.1907, 20.2676

## Protanomaly

31.0553, 26.5880, 26.0495

## Deuteranomaly

32.8852, 27.1166, 19.4204

## Tritanomaly

43.1653, 28.1492, 17.3456

# Monochromacy



## Original Color

43.8907, 28.1907, 20.2676

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

29.8014, 25.5737, 25.5558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8907, 28.1907, 20.2676 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(242, 94, 118)` looks like.

```
.text, #text, p{  
    color:rgb(242, 94, 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(242, 94, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 94, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8907, 28.1907, 20.2676 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(242, 94, 118) }
```



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

```
.border{ border-color:rgb(242, 94, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 94, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 94, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 94, 118);  
box-shadow:4px 4px 4px 4px rgb(242, 94,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8907, 28.1907, 20.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 94, 118) }
```

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

```
.background{ background-color: rgb(242, 94,  
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](#).

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