

# Converting Colors

XYZ(42.9601, 28.6817, 17.8097)

Have a look what the booklet for  
XYZ(42.9601, 28.6817, 17.8097)  
contains.

<b>XYZ(43.0106, 28.7622, 17.7528)</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(43.0106, 28.7622,  
17.7528)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF656D
RGB	239, 101, 109
RGB Percent	94%, 40%, 43%
CMY	0.0627, 0.6039, 0.5725
CMYK	0.00, 0.58, 0.54, 0.06
HSL	357°, 81%, 67%
HSV	357°, 58%, 94%
XYZ	43.0106, 28.7622, 17.7528
YIQ	143.1740, 79.6800, 31.7440

# Conversions

## Conversions Part 2

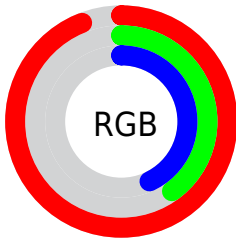
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 101, 109
Decimal	15689069
CIE Lab	60.57, 53.82, 22.76
CIE LCh	61, 58.434, 22.921
Yxy	28.7622, 0.4804, 0.3213
Android (android.graphics.Color)	4293879149 (0xFFEF656D)
YUV	143.1740, -16.8478, 84.0394
Hunter-Lab	53.6304, 49.3005, 17.9150

# Details

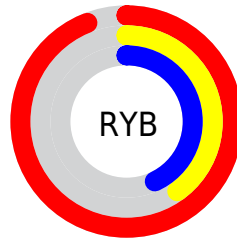
The XYZ color **43.0106, 28.7622, 17.7528** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **50.6589, 70.2698, 86.4998**, and the grayscale version is **26.2219, 27.5875, 30.0428**.

A 20% lighter version of the original color is **59.4736, 47.5750, 39.3060**, and **20.1303, 11.6141, 5.7382** is the 20% darker color. If you saturate the color by 10%, you get **39.9573, 24.3533, 11.5017**, and if you desaturate by 10%, it is **47.0503, 34.6474, 25.8646**.

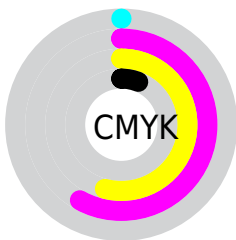
# Distribution



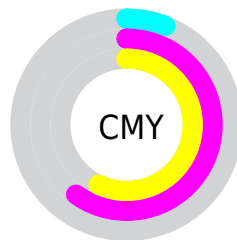
- Red (94%)
- Green (40%)
- Blue (43%)



- Red (94%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (58%)
- Yellow (54%)
- Black (6%)




- Cyan (6%)
- Magenta (60%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0106, 28.7622, 17.7528 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 43.0106, 28.7622, 17.7528 by changing the saturation by 10% instead.





 43.0106, 28.7622,  
17.7528

 43.0106, 28.7622,  
17.7528

349.5761,  
296.0913, 251.6631

 30.0880, 18.9010,  
10.6051


 78.9825, 57.6991,  
40.4239


 20.0538, 11.5988,  
5.6911


 102.7624, 77.5435,  
56.7843

 12.5426, 6.4711,  
2.5925


 130.8922,  
101.4845, 77.0527

 7.1892, 3.1336,  
0.8886

 163.7372,  
129.9064, 101.6476

 3.6281, 1.2019,  
0.0000

201.6627,  
163.1936, 130.9876

 1.4940, 0.0632,  
0.0000

245.0342,

 0.3217, 0.0000,

201.7306, 165.4911

0.0000

294.2168,  
245.9017, 205.5768

■ 0.0000, 0.0000,  
0.0000

■ 43.0106, 28.7622,  
17.7528

■ 43.0106, 28.7622,  
17.7528

■ 39.9573, 24.3533,  
11.5017

■ 47.0503, 34.6474,  
25.8646

■ 37.8036, 21.2857,  
6.9621

■ 52.1490, 42.1191,  
35.9672

■ 36.4516, 19.4079,  
3.9645

■ 58.3749, 51.2823,  
48.1809

■ 35.7722, 18.5149,  
2.3017

■ 65.7900, 62.2319,  
62.6159

■ 35.6747, 18.3819,  
2.0777

■ 74.4517, 75.0555,  
79.3750

■ 84.4136, 89.8353,  
98.5543

■ 89.4065, 97.0906,  
108.6359

# Harmonies

## Analogous

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



44.4271, 28.7622, 36.7263



43.0106, 28.7622, 17.7528



37.0597, 28.7622, 8.4770

# Triad

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



43.0106, 28.7622, 17.7528



17.3125, 28.7622, 12.3408



25.5870, 28.7622, 93.3654

# Complementary

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



43.0106, 28.7622, 17.7528



50.6589, 70.2698, 86.4998

# 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.



19.4845, 28.7622, 77.5882



43.0106, 28.7622, 17.7528



15.3116, 28.7622, 26.4670

# Square

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



43.0106, 28.7622, 17.7528



22.0635, 28.7622, 6.5084



16.0262, 28.7622, 50.4653



33.3916, 28.7622, 87.3543



# Rectangle

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



43.0106, 28.7622, 17.7528



31.8275, 28.7622, 6.0129



16.0262, 28.7622, 50.4653



23.2912, 28.7622, 90.2585

# Sweetspot

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



43.0113, 28.7638, 17.7533



76.8542, 73.0354, 73.7727



52.8034, 32.3309, 85.1184



16.0506, 15.0421, 15.0153



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.



43.0113, 28.7638, 17.7533



45.8529, 27.5845, 12.4120



50.6566, 44.7119, 18.2744



15.8099, 15.7737, 16.5552



19.7298, 10.1643, 1.2277



1.6543, 0.8508, 0.1703



# Inverse Universe

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



43.0113, 28.7638, 17.7533



45.8529, 27.5845, 12.4120



37.1086, 41.3209, 87.6809



15.8099, 15.7737, 16.5552



19.7298, 10.1643, 1.2277



1.6543, 0.8508, 0.1703



# Previews

## White Background



This preview shows how the XYZ color 43.0106, 28.7622, 17.7528 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 43.0106, 28.7622, 17.7528 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 43.0106, 28.7622, 17.7528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0106, 28.7622, 17.7528.



This preview shows how white text looks on a background with the XYZ color 43.0106, 28.7622,



# 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

43.0106, 28.7622, 17.7528

### Protanopia

27.4450, 28.9418, 25.2589

### Deuteranopia

29.5055, 28.8494, 16.8453



## Tritanopia

42.9571, 28.7408, 17.4708

# Trichromacy



## Original Color

43.0106, 28.7622, 17.7528

## Protanomaly

31.2626, 27.5608, 22.0844

## Deuteranomaly

33.2994, 27.9474, 17.0039

## Tritanomaly

42.9571, 28.7408, 17.4708

# Monochromacy



## Original Color

43.0106, 28.7622, 17.7528

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

30.1760, 26.5420, 25.0054

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0106, 28.7622, 17.7528 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(239, 101, 109)` looks like.

```
.text, #text, p{  
    color:rgb(239, 101, 109)  
}
```

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(239, 101, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 101, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0106, 28.7622, 17.7528 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(239, 101, 109) }
```



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

```
.border{ border-color:rgb(239, 101, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 101, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 101, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 101, 109);  
box-shadow:4px 4px 4px 4px rgb(239, 101,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0106, 28.7622, 17.7528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 101, 109) }
```

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

```
.background{ background-color: rgb(239,  
101, 109) }
```

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