

Converting Colors

XYZ(42.2763, 28.7790, 17.4786)

Have a look what the booklet for
XYZ(42.2763, 28.7790, 17.4786)
contains.

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Color

**XYZ(42.2492, 28.8162,
17.5227)**

Conversions

Conversions Part 1

Format	Color
Hex	EC686C
RGB	236, 104, 108
RGB Percent	93%, 41%, 42%
CMY	0.0745, 0.5921, 0.5765
CMYK	0.00, 0.56, 0.54, 0.07
HSL	358°, 78%, 67%
HSV	358°, 56%, 93%
XYZ	42.2492, 28.8162, 17.5227
YIQ	143.9240, 77.3880, 29.2280

Conversions

Conversions Part 2

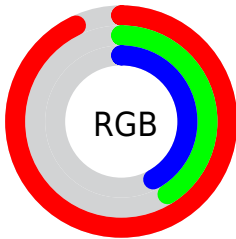
Format	Color
R _Y B	236, 104, 108
Decimal	15493228
CIE Lab	60.62, 51.34, 23.31
CIE LCh	61, 56.382, 24.426
Yxy	28.8162, 0.4769, 0.3253
Android (android.graphics.Color)	4293683308 (0xFFEC686C)
YUV	143.9240, -17.7105, 80.7507
Hunter-Lab	53.6807, 46.5465, 18.2228

Details

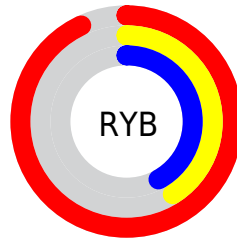
The XYZ color **42.2492, 28.8162, 17.5227** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **50.2716, 68.7608, 86.9714**, and the grayscale version is **26.5269, 27.9083, 30.3922**.

A 20% lighter version of the original color is **59.8961, 48.5595, 39.0169**, and **19.6198, 11.6475, 5.6290** is the 20% darker color. If you saturate the color by 10%, you get **39.1349, 24.2878, 11.2437**, and if you desaturate by 10%, it is **46.3492, 34.8047, 25.7077**.

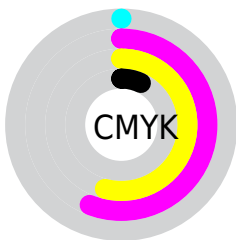
Distribution



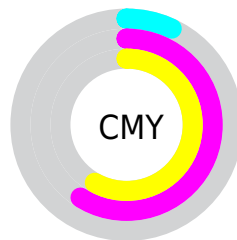
- Red (93%)
- Green (41%)
- Blue (42%)



- Red (93%)
- Yellow (41%)
- Blue (42%)



- Cyan (0%)
- Magenta (56%)
- Yellow (54%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2492, 28.8162, 17.5227 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 42.2492, 28.8162, 17.5227 by changing the saturation by 10% instead.


 42.2492, 28.8162,
17.5227


 42.2492, 28.8162,
17.5227

346.4890,
296.3468, 250.3119


 29.4884, 18.9418,
10.4420


 77.8394, 57.7849,
40.0252


 19.5968, 11.6282,
5.5836


 101.3996, 77.6481,
56.2841

 12.2088, 6.4911,
2.5289


 129.2903,
101.6096, 76.4394

 6.9593, 3.1459,
0.8554

 161.8769,
130.0539, 100.9097

 3.4827, 1.2084,
0.0000

199.5247,
163.3654, 130.1136

 1.4139, 0.0685,
0.0000

242.5991,

 0.2661, 0.0000,

201.9284, 164.4696

0.0000

291.4654,
246.1274, 204.3962

■ 0.0000, 0.0000,
0.0000

■ 42.2492, 28.8162,
17.5227

■ 42.2492, 28.8162,
17.5227

■ 39.1349, 24.2878,
11.2437

■ 46.3492, 34.8047,
25.7077

■ 36.9214, 21.0904,
6.7153

■ 51.5059, 42.3585,
35.9342

■ 35.5135, 19.0809,
3.7606

■ 57.7864, 51.5787,
48.3270

■ 34.7932, 18.0802,
2.1643

■ 65.2516, 62.5565,
63.0007

■ 34.6311, 17.8485,
1.8249

■ 73.9580, 75.3765,
80.0616

■ 83.9584, 90.1179,
99.6096

■ 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.



43.8568, 28.8162, 35.4420



42.2492, 28.8162, 17.5227



36.3869, 28.8162, 8.7306

Triad

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



42.2492, 28.8162, 17.5227



17.4903, 28.8162, 13.3273



26.0489, 28.8162, 90.7497

Complementary

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



42.2492, 28.8162, 17.5227



50.2716, 68.7608, 86.9714

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.



20.0120, 28.8162, 76.7083



42.2492, 28.8162, 17.5227



15.6655, 28.8162, 27.6334

Square

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



42.2492, 28.8162, 17.5227



21.9881, 28.8162, 7.1708



16.4993, 28.8162, 51.0932



33.6088, 28.8162, 84.0099

Rectangle

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



42.2492, 28.8162, 17.5227



31.3303, 28.8162, 6.4069



16.4993, 28.8162, 51.0932



23.7928, 28.8162, 88.1660

Sweetspot

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



42.2499, 28.8178, 17.5232



76.7014, 72.9743, 72.9680



53.2404, 33.0473, 82.9293



16.0151, 15.0279, 14.8285



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.



42.2499, 28.8178, 17.5232



46.2386, 28.3506, 12.5567



50.6554, 45.9612, 19.3004



15.0839, 15.0614, 15.7273



19.0978, 9.8418, 1.0504



1.5062, 0.7754, 0.1168

Inverse Universe

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



42.2499, 28.8178, 17.5232



46.2386, 28.3506, 12.5567



36.0642, 39.4279, 85.0662



15.0839, 15.0614, 15.7273



19.0978, 9.8418, 1.0504



1.5062, 0.7754, 0.1168

Previews

White Background



This preview shows how the XYZ color 42.2492, 28.8162, 17.5227 looks on a white background.

Color Contrast Check

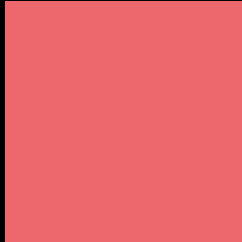
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2492, 28.8162, 17.5227 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 42.2492, 28.8162, 17.5227

Background



This preview shows how black text looks on a background with the XYZ color 42.2492, 28.8162, 17.5227.



This preview shows how white text looks on a background with the XYZ color 42.2492, 28.8162,

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

42.2492, 28.8162, 17.5227

Protanopia

27.5016, 28.9863, 24.5675

Deuteranopia

29.4556, 28.8294, 16.5825



Tritanopia

42.4116, 28.8812, 18.3782

Trichromacy



Original Color

42.2492, 28.8162, 17.5227

Protanomaly

31.3347, 27.8034, 21.8042

Deuteranomaly

33.1140, 28.0485, 16.7653

Tritanomaly

42.3569, 28.8593, 18.0898

Monochromacy



Original Color

42.2492, 28.8162, 17.5227

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.0785, 26.6863, 25.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2492, 28.8162, 17.5227 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, 104, 108)` looks like.

```
.text, #text, p{  
    color:rgb(236, 104, 108)  
}
```

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, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 104, 108) }
```

Border

The CSS property to change the border of an element to XYZ 42.2492, 28.8162, 17.5227 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, 104, 108) }
```


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

```
.border{ border-color:rgb(236, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(236, 104,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2492, 28.8162, 17.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 104, 108) }
```

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

```
.background{ background-color: rgb(236,  
104, 108) }
```

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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