

Converting Colors

XYZ(42.2619, 29.3617, 15.6487)

Have a look what the booklet for
XYZ(42.2619, 29.3617, 15.6487)
contains.

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Color

**XYZ(42.1987, 29.2878,
15.7409)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6B65
RGB	236, 107, 101
RGB Percent	93%, 42%, 40%
CMY	0.0745, 0.5804, 0.6039
CMYK	0.00, 0.55, 0.57, 0.07
HSL	3°, 78%, 66%
HSV	3°, 57%, 93%
XYZ	42.1987, 29.2878, 15.7409
YIQ	144.8870, 78.8100, 25.4820

Conversions

Conversions Part 2

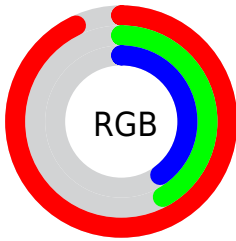
Format	Color
R _Y B	236, 107, 101
Decimal	15493989
CIE Lab	61.03, 49.39, 27.85
CIE LCh	61, 56.703, 29.419
Yxy	29.2878, 0.4838, 0.3358
Android (android.graphics.Color)	4293684069 (0xFFEC6B65)
YUV	144.8870, -21.6363, 79.9061
Hunter-Lab	54.1182, 44.4786, 20.6376

Details

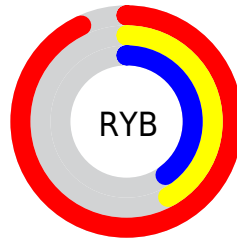
The XYZ color **42.1987, 29.2878, 15.7409** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **48.8019, 65.4124, 89.4102**, and the grayscale version is **26.9314, 28.3339, 30.8556**.

A 20% lighter version of the original color is **59.8278, 49.3677, 36.0814**, and **19.6182, 11.9265, 4.7581** is the 20% darker color. If you saturate the color by 10%, you get **39.1516, 24.7862, 9.8163**, and if you desaturate by 10%, it is **46.1920, 35.1511, 23.6189**.

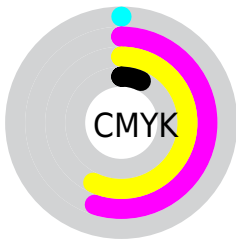
Distribution



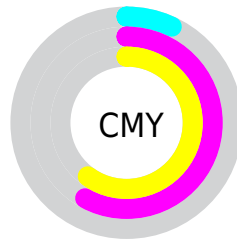
- Red (93%)
- Green (42%)
- Blue (40%)



- Red (93%)
- Yellow (42%)
- Blue (40%)



- Cyan (0%)
- Magenta (55%)
- Yellow (57%)
- Black (7%)





- Cyan (7%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1987, 29.2878, 15.7409 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 42.1987, 29.2878, 15.7409 by changing the saturation by 10% instead.

 42.1987, 29.2878,
15.7409


 42.1987, 29.2878,
15.7409

346.2836,
298.5705, 239.6012


 29.4487, 19.2986,
9.1886

 77.7635, 58.5340,
36.9083


 19.5665, 11.8863,
4.7659


 101.3091, 78.5599,
52.3605

 12.1868, 6.6663,
2.0543

 129.1839,
102.7001, 71.6165

 6.9441, 3.2543,
0.5883

 161.7532,
131.3391, 95.0947

 3.4732, 1.2659,
0.0000

199.3825,
164.8612, 123.2138

 1.4087, 0.1146,
0.0000

242.4371,

 0.2624, 0.0000,

203.6509, 156.3922

0.0000

291.2823,
248.0925, 195.0485

■ 0.0000, 0.0000,
0.0000

■ 42.1987, 29.2878,
15.7409

■ 42.1987, 29.2878,
15.7409

■ 39.1516, 24.7862,
9.8163

■ 46.1920, 35.1511,
23.6189

■ 36.9707, 21.5325,
5.6732

■ 51.1988, 42.4686,
33.5992

■ 35.5662, 19.4022,
3.1123

■ 57.2825, 51.3304,
45.8181

■ 34.8256, 18.2422,
1.8751

■ 64.5009, 61.8177,
60.4000

■ 34.7059, 18.0608,
1.6569

■ 72.9076, 74.0062,
77.4602

■ 82.5528, 87.9668,
97.1064

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



44.6711, 29.2878, 32.3057



42.1987, 29.2878, 15.7409



35.7413, 29.2878, 8.0678

Triad

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



42.1987, 29.2878, 15.7409



17.2763, 29.2878, 15.2967



27.6927, 29.2878, 92.6454

Complementary

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



42.1987, 29.2878, 15.7409



48.8019, 65.4124, 89.4102

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.



21.1938, 29.2878, 81.5574



42.1987, 29.2878, 15.7409



15.8733, 29.2878, 31.4767

Square

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



42.1987, 29.2878, 15.7409



21.4035, 29.2878, 7.9031



17.1712, 29.2878, 56.4515



35.4460, 29.2878, 82.3351

Rectangle

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



42.1987, 29.2878, 15.7409



30.5390, 29.2878, 6.2330



17.1712, 29.2878, 56.4515



25.2996, 29.2878, 91.2427

Sweetspot

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



42.1994, 29.2894, 15.7414



77.0197, 73.8761, 72.2563



53.7401, 32.9381, 79.4970



16.0890, 15.2371, 14.6635



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.



42.1994, 29.2894, 15.7414



46.0515, 28.6221, 10.5041



51.8845, 48.6596, 18.9698



15.1192, 15.1614, 15.6483



19.1552, 10.0047, 0.9215



1.5231, 0.8236, 0.0787

Inverse Universe

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



48.8019, 65.4124, 89.4102



54.5917, 75.5106, 106.3055



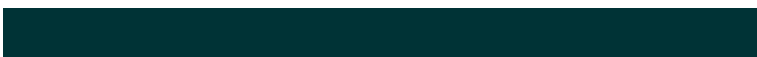
33.7827, 35.3739, 84.4038



15.4569, 17.0002, 19.3890



23.2881, 33.2231, 48.9283



1.8465, 2.6444, 3.8480

Previews

White Background



This preview shows how the XYZ color 42.1987, 29.2878, 15.7409 looks on a white background.

Color Contrast Check

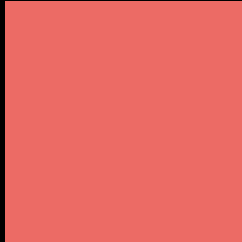
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1987, 29.2878, 15.7409 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 42.1987, 29.2878, 15.7409

Background



This preview shows how black text looks on a background with the XYZ color 42.1987, 29.2878, 15.7409.



This preview shows how white text looks on a background with the XYZ color 42.1987, 29.2878,

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

42.1987, 29.2878, 15.7409

Protanopia

27.6681, 29.3674, 21.6630

Deuteranopia

29.9505, 29.3410, 14.9113



Tritanopia

42.9013, 29.2775, 18.7192

Trichromacy



Original Color

42.1987, 29.2878, 15.7409

Protanomaly

31.4256, 28.1115, 19.0990

Deuteranomaly

33.5611, 28.7057, 15.0812

Tritanomaly

42.7859, 29.3953, 17.6062

Monochromacy



Original Color

42.1987, 29.2878, 15.7409

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

30.4388, 27.2826, 24.4306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1987, 29.2878, 15.7409 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, 107, 101)` looks like.

```
.text, #text, p{  
    color:rgb(236, 107, 101)  
}
```

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, 107, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 107, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.1987, 29.2878, 15.7409 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, 107, 101) }
```


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

```
.border{ border-color:rgb(236, 107, 101) }
```

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

Here you see how a box with a 4 pixel rgb(236, 107, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 107, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 107, 101);  
box-shadow:4px 4px 4px 4px rgb(236, 107,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1987, 29.2878, 15.7409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 107, 101) }
```

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

```
.background{ background-color: rgb(236,  
107, 101) }
```

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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