

Converting Colors

XYZ(42.1808, 30.0876, 18.3922)

Have a look what the booklet for
XYZ(42.1808, 30.0876, 18.3922)
contains.

XYZ(42.2129, 30.0378, 18.3249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2129, 30.0378,
18.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	E9706E
RGB	233, 112, 110
RGB Percent	91%, 44%, 43%
CMY	0.0863, 0.5608, 0.5686
CMYK	0.00, 0.52, 0.53, 0.09
HSL	1°, 74%, 67%
HSV	1°, 53%, 91%
XYZ	42.2129, 30.0378, 18.3249
YIQ	147.9510, 72.7580, 25.0300

Conversions

Conversions Part 2

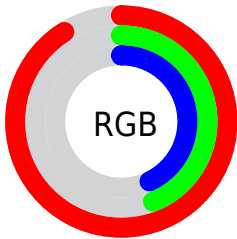
Format	Color
R _Y B	233, 112, 110
Decimal	15298670
CIE Lab	61.69, 46.62, 23.52
CIE LCh	62, 52.220, 26.770
Yxy	30.0378, 0.4661, 0.3316
Android (android.graphics.Color)	4293488750 (0xFFE9706E)
YUV	147.9510, -18.7098, 74.5880
Hunter-Lab	54.8068, 41.5713, 18.5408

Details

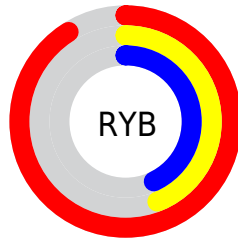
The XYZ color **42.2129, 30.0378, 18.3249** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **49.7123, 66.3460, 87.2763**, and the grayscale version is **28.1832, 29.6509, 32.2898**.

A 20% lighter version of the original color is **61.3978, 51.1411, 40.8176**, and **19.6670, 12.3600, 5.9066** is the 20% darker color. If you saturate the color by 10%, you get **38.8919, 25.1662, 11.7607**, and if you desaturate by 10%, it is **46.5124, 36.3331, 26.8610**.

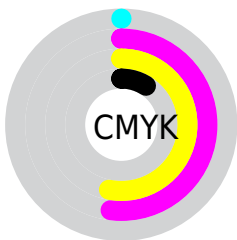
Distribution



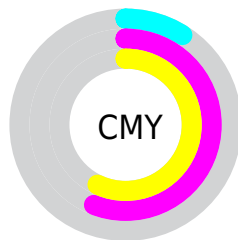
- Red (91%)
- Green (44%)
- Blue (43%)



- Red (91%)
- Yellow (44%)
- Blue (43%)



- Cyan (0%)
- Magenta (52%)
- Yellow (53%)
- Black (9%)





- Cyan (9%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2129, 30.0378, 18.3249 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 42.2129, 30.0378, 18.3249 by changing the saturation by 10% instead.


 42.2129, 30.0378,
18.3249

 42.2129, 30.0378,
18.3249


346.3414,
302.0806, 254.9933


 29.4599, 19.8673,
11.0117


 77.7849, 59.7220,
41.4116


 19.5750, 12.2986,
5.9604


 101.3345, 80.0044,
58.0221

 12.1930, 6.9474,
2.7526


 129.2138,
104.4262, 78.5687

 6.9484, 3.4292,
0.9698

 161.7880,
133.3719, 103.4701

 3.4759, 1.3597,
0.0000

199.4225,
167.2258, 133.1447

 1.4101, 0.1867,
0.0000

242.4827,

 0.2634, 0.0000,

206.3722, 168.0111

0.0000

291.3338,
251.1957, 208.4878

■ 0.0000, 0.0000,
0.0000

■ 42.2129, 30.0378,
18.3249

■ 42.2129, 30.0378,
18.3249

■ 38.8919, 25.1662,
11.7607

■ 46.5124, 36.3331,
26.8610

■ 36.4706, 21.6030,
7.0092

■ 51.8567, 44.1459,
37.5078

■ 34.8618, 19.2233,
3.8896

■ 58.3088, 53.5679,
50.3935

■ 33.9597, 17.8754,
2.1826

■ 65.9261, 64.6820,
65.6357

■ 33.6454, 17.4061,
1.5864

■ 74.7621, 77.5654,
83.3436

■ 84.8669, 92.2906,
103.6196

■ 87.4141, 96.0635,
108.5426

Harmonies

Analogous

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



44.0699, 30.0378, 34.9092



42.2129, 30.0378, 18.3249



36.5130, 30.0378, 10.0088

Triad

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



42.2129, 30.0378, 18.3249



18.7713, 30.0378, 15.9029



27.8040, 30.0378, 87.6940

Complementary

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



42.2129, 30.0378, 18.3249



49.7123, 66.3460, 87.2763

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.



21.8381, 30.0378, 76.2735



42.2129, 30.0378, 18.3249



17.1829, 30.0378, 30.5976

Square

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



42.2129, 30.0378, 18.3249



22.9466, 30.0378, 9.0615



18.2080, 30.0378, 53.1383



34.9986, 30.0378, 80.1271

Rectangle

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



42.2129, 30.0378, 18.3249



31.7173, 30.0378, 7.8128



18.2080, 30.0378, 53.1383



25.6009, 30.0378, 85.8646

Sweetspot

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



42.2136, 30.0394, 18.3254



77.6694, 74.6577, 74.0691



53.8880, 34.3588, 80.8821



16.2063, 15.3697, 15.0169



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.



42.2136, 30.0394, 18.3254



47.5481, 30.6185, 14.0761



51.0762, 47.7645, 21.2796



15.0852, 15.0934, 15.6370



19.0998, 9.8939, 0.9030



1.5068, 0.7908, 0.0732

Inverse Universe

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



49.7123, 66.3460, 87.2763



57.6317, 79.4774, 106.9109



35.7960, 38.5134, 82.6376



15.4954, 17.0772, 19.4018



24.2852, 35.2174, 49.2606



1.9137, 2.7789, 3.8704

Previews

White Background



This preview shows how the XYZ color 42.2129, 30.0378, 18.3249 looks on a white background.

Color Contrast Check

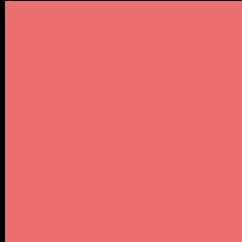
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2129, 30.0378, 18.3249 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 42.2129, 30.0378, 18.3249

Background



This preview shows how black text looks on a background with the XYZ color 42.2129, 30.0378, 18.3249.



This preview shows how white text looks on a background with the XYZ color 42.2129, 30.0378,

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

42.2129, 30.0378, 18.3249

Protanopia

28.4828, 30.1953, 24.4057

Deuteranopia

30.7324, 30.1298, 17.5605



Tritanopia

42.8861, 30.1693, 20.7025

Trichromacy



Original Color

42.2129, 30.0378, 18.3249

Protanomaly

32.2629, 29.3031, 22.0448

Deuteranomaly

34.1938, 29.5698, 17.8153

Tritanomaly

42.7106, 30.0991, 19.7783

Monochromacy



Original Color

42.2129, 30.0378, 18.3249

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

31.5575, 28.6329, 26.4177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2129, 30.0378, 18.3249 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(233, 112, 110)` looks like.

```
.text, #text, p{  
    color:rgb(233, 112, 110)  
}
```

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(233, 112, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 112, 110) }
```

Border

The CSS property to change the border of an element to XYZ 42.2129, 30.0378, 18.3249 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(233, 112, 110) }
```


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

```
.border{ border-color:rgb(233, 112, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 112, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 112, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 112, 110);  
box-shadow:4px 4px 4px 4px rgb(233, 112,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2129, 30.0378, 18.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 112, 110) }
```

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

```
.background{ background-color: rgb(233,  
112, 110) }
```

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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