

Converting Colors

XYZ(42.3356, 29.8135, 16.6200)

Have a look what the booklet for
XYZ(42.3356, 29.8135, 16.6200)
contains.

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Color

**XYZ(42.3356, 29.8135,
16.6200)**

Conversions

Conversions Part 1

Format	Color
Hex	EB6E68
RGB	235, 110, 104
RGB Percent	92%, 43%, 41%
CMY	0.0784, 0.5686, 0.5922
CMYK	0.00, 0.53, 0.56, 0.08
HSL	3°, 77%, 66%
HSV	3°, 56%, 92%
XYZ	42.3356, 29.8135, 16.6200
YIQ	146.6910, 76.4260, 24.6340

Conversions

Conversions Part 2

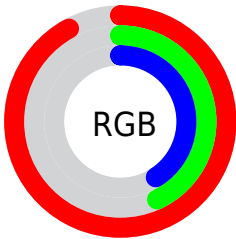
Format	Color
R_{YB}	235, 110, 104
Decimal	15429224
CIE _{Lab}	61.49, 47.83, 26.72
CIE _{LCh}	61, 54.787, 29.193
Yxy	29.8135, 0.4769, 0.3359
Android (android.graphics.Color)	4293619304 (0xFFEB6E68)
YUV	146.6910, -21.0467, 77.4470
Hunter-Lab	54.6017, 42.8474, 20.1742

Details

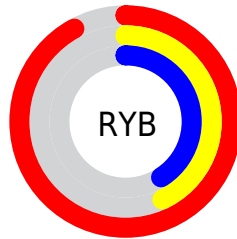
The XYZ color **42.3356, 29.8135, 16.6200** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **48.7218, 64.9761, 88.5707**, and the grayscale version is **27.6686, 29.1095, 31.7002**.

A 20% lighter version of the original color is **60.6115, 50.5368, 37.5704**, and **19.6083, 12.1224, 5.1773** is the 20% darker color. If you saturate the color by 10%, you get **39.1832, 25.1603, 10.4781**, and if you desaturate by 10%, it is **46.4340, 35.8269, 24.7183**.

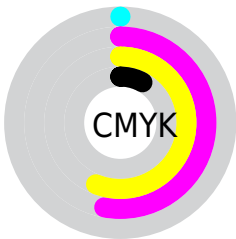
Distribution



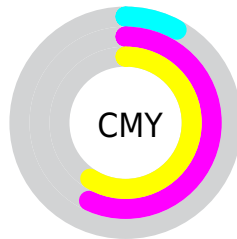
- Red (92%)
- Green (43%)
- Blue (41%)



- Red (92%)
- Yellow (43%)
- Blue (41%)



- Cyan (0%)
- Magenta (53%)
- Yellow (56%)
- Black (8%)





- Cyan (8%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3356, 29.8135, 16.6200 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 42.3356, 29.8135, 16.6200 by changing the saturation by 10% instead.


 42.3356, 29.8135,
16.6200


 42.3356, 29.8135,
16.6200


346.8403,
301.0342, 244.9423

 29.5564, 19.6971,
9.8048


 77.9693, 59.3671,
38.4529

 19.6485, 12.1750,
5.1659


 101.5545, 79.5731,
54.3078

 12.2466, 6.8630,
2.2845


 129.4724,
103.9110, 74.0129

 6.9852, 3.3766,
0.7225

 162.0884,
132.7654, 97.9869

 3.4991, 1.3313,
0.0000

199.7678,
166.5204, 126.6483

 1.4229, 0.1653,
0.0000

242.8760,

 0.2724, 0.0000,

205.5607, 160.4157

0.0000

291.7784,
250.2704, 199.7075

■ 0.0000, 0.0000,
0.0000

■ 42.3356, 29.8135,
16.6200

■ 42.3356, 29.8135,
16.6200

■ 39.1832, 25.1603,
10.4781

■ 46.4340, 35.8269,
24.7183

■ 36.8990, 21.7568,
6.1257

■ 51.5436, 43.2901,
34.9178

■ 35.3969, 19.4837,
3.3710

■ 57.7263, 52.2907,
47.3516

■ 34.5714, 18.1956,
1.9772

■ 65.0383, 62.9079,
62.1412

■ 34.3779, 17.8963,
1.6424

■ 73.5320, 75.2156,
79.3996

■ 83.2565, 89.2830,
99.2322

■ 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



44.6908, 29.8135, 33.0275



42.3356, 29.8135, 16.6200



36.0948, 29.8135, 8.8247

Triad

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



42.3356, 29.8135, 16.6200



17.9686, 29.8135, 16.0043



28.1409, 29.8135, 91.0011

Complementary

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



42.3356, 29.8135, 16.6200



48.7218, 64.9761, 88.5707

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.



21.7787, 29.8135, 80.2590



42.3356, 29.8135, 16.6200



16.5562, 29.8135, 31.9027

Square

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



42.3356, 29.8135, 16.6200



22.0653, 29.8135, 8.5908



17.8240, 29.8135, 56.0951



35.6965, 29.8135, 81.2917

Rectangle

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



42.3356, 29.8135, 16.6200



31.0325, 29.8135, 6.9146



17.8240, 29.8135, 56.0951



25.8020, 29.8135, 89.6080

Sweetspot

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



42.3363, 29.8151, 16.6205



77.0345, 73.9057, 72.2612



53.5833, 33.3118, 78.9355



16.0924, 15.2440, 14.6646



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.



42.3363, 29.8151, 16.6205



46.6718, 29.5539, 11.6629



51.8699, 48.8823, 19.7984



15.1209, 15.1647, 15.6488



19.1579, 10.0100, 0.9224



1.5239, 0.8252, 0.0790

Inverse Universe

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



48.7218, 64.9761, 88.5707



55.0312, 75.7350, 106.3256



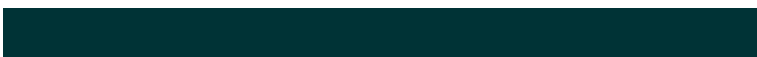
34.1837, 35.8998, 83.7247



15.4551, 16.9965, 19.3883



23.2410, 33.1291, 48.9126



1.8433, 2.6381, 3.8469

Previews

White Background



This preview shows how the XYZ color 42.3356, 29.8135, 16.6200 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 42.3356, 29.8135, 16.6200 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 42.3356, 29.8135, 16.6200

Background



This preview shows how black text looks on a background with the XYZ color 42.3356, 29.8135, 16.6200.



This preview shows how white text looks on a background with the XYZ color 42.3356, 29.8135,

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

42.3356, 29.8135, 16.6200

Protanopia

28.2992, 30.1445, 22.4161

Deuteranopia

30.4680, 29.8115, 15.7036



Tritanopia

43.1070, 29.8189, 20.0066

Trichromacy



Original Color

42.3356, 29.8135, 16.6200

Protanomaly

32.0082, 29.0049, 20.1311

Deuteranomaly

33.8361, 29.0275, 15.8761

Tritanomaly

42.9853, 29.9400, 18.8427

Monochromacy



Original Color

42.3356, 29.8135, 16.6200

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.2122, 28.2726, 25.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3356, 29.8135, 16.6200 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(235, 110, 104)` looks like.

```
.text, #text, p{  
    color:rgb(235, 110, 104)  
}
```

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(235, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 110, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.3356, 29.8135, 16.6200 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(235, 110, 104) }
```


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

```
.border{ border-color:rgb(235, 110, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 110, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(235, 110,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3356, 29.8135, 16.6200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 110, 104) }
```

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

```
.background{ background-color: rgb(235,  
110, 104) }
```

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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