

Converting Colors

XYZ(58.0418, 41.5184, 83.2500)

Have a look what the booklet for
XYZ(58.0418, 41.5184, 83.2500)
contains.

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Color

**XYZ(58.2020, 41.5516,
83.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	EB89EB
RGB	235, 137, 235
RGB Percent	92%, 54%, 92%
CMY	0.0784, 0.4627, 0.0784
CMYK	0.00, 0.42, 0.00, 0.08
HSL	300°, 71%, 73%
HSV	300°, 42%, 92%
XYZ	58.2020, 41.5516, 83.5499
YIQ	177.4740, 26.9500, 51.2540

Conversions

Conversions Part 2

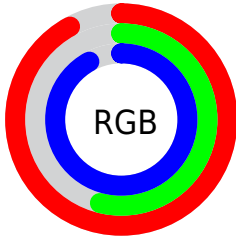
Format	Color
RYB	235, 137, 235
Decimal	15436267
CIELab	70.56, 51.48, -33.86
CIELCh	71, 61.620, 326.669
Yxy	41.5516, 0.3175, 0.2267
Android (android.graphics.Color)	4293626347 (0xFFEB89EB)
YUV	177.4740, 28.3603, 50.4503
Hunter-Lab	64.4605, 48.3633, -31.7258

Details

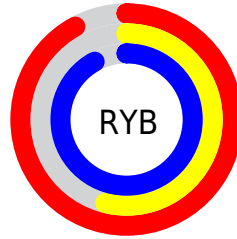
The XYZ color **58.2020, 41.5516, 83.5499** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **44.5420, 66.5427, 34.1656**, and the grayscale version is **41.8859, 44.0672, 47.9892**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **29.3614, 18.7883, 44.7268** is the 20% darker color. If you saturate the color by 10%, you get **55.2186, 35.5839, 82.5557**, and if you desaturate by 10%, it is **61.9156, 48.9779, 84.7883**.

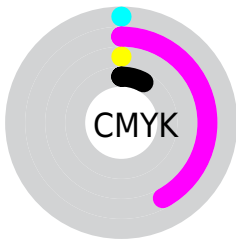
Distribution



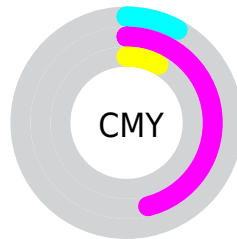
- Red (92%)
- Green (54%)
- Blue (92%)



- Red (92%)
- Yellow (54%)
- Blue (92%)



- Cyan (0%)
- Magenta (42%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (46%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2020, 41.5516, 83.5499 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 58.2020, 41.5516, 83.5499 by changing the saturation by 10% instead.


 58.2020, 41.5516,
83.5499


 58.2020, 41.5516,
83.5499

407.8799,
352.6208, 526.8363


 42.2150, 28.7503,
62.1007


 101.3382, 77.5205,
140.2015

 29.4615, 18.8920,
44.6777


 129.2181,
101.4570, 176.2409

 19.5762, 11.5923,
30.8626


 161.7930,
129.8740, 217.9808

 12.1939, 6.4667,
20.2366

199.4283,
163.1559, 265.8397

 6.9490, 3.1309,
12.3814

242.4893,
201.6872, 320.2362

 3.4763, 1.2004,
6.8783

291.3413,

 1.4103, 0.0621,

245.8521, 381.5887

3.3088

346.3497,
296.0352, 450.3159

■ 0.2636, 0.0000,
1.2544

■ 0.0000, 0.0000,
0.0240

■ 58.2020, 41.5516,
83.5499

■ 58.2020, 41.5516,
83.5499

■ 55.2186, 35.5839,
82.5557

■ 61.9156, 48.9779,
84.7883

■ 52.9135, 30.9738,
81.7872

■ 66.3987, 57.9439,
86.2829

■ 51.2347, 27.6163,
81.2274

■ 71.6926, 68.5318,
88.0477

■ 50.1209, 25.3887,
80.8560

■ 77.8347, 80.8158,
90.0952

■ 49.4983, 24.1436,
80.6483

■ 84.8598, 94.8659,
92.4370

■ 49.2568, 23.6606,
80.5677

■ 85.0172, 95.1807,
92.4896

■ 85.0172, 95.1807,
92.4898

■ 85.0172, 95.1807,
92.4900

■ 85.0173, 95.1808,
92.4901

Harmonies

Analogous

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



48.9431, 41.5516, 116.0702



58.2020, 41.5516, 83.5499



62.4257, 41.5516, 48.5780

Triad

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



58.2020, 41.5516, 83.5499



40.6416, 41.5516, 9.1890



24.4614, 41.5516, 75.3439

Complementary

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



58.2020, 41.5516, 83.5499



44.5420, 66.5427, 34.1656

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.



23.0028, 41.5516, 42.0635



58.2020, 41.5516, 83.5499



31.3460, 41.5516, 11.3689

Square

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



58.2020, 41.5516, 83.5499



51.2508, 41.5516, 12.7156



25.2969, 41.5516, 20.9075



29.6878, 41.5516, 110.0735

Rectangle

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



58.2020, 41.5516, 83.5499



61.3610, 41.5516, 30.9970



25.2969, 41.5516, 20.9075



23.5576, 41.5516, 63.2956

Sweetspot

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



58.2034, 41.5534, 83.5508



85.3714, 80.6429, 105.6736



34.2594, 29.2099, 82.4309



17.9586, 16.6321, 22.5137



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.



58.2034, 41.5534, 83.5508



66.9439, 43.7881, 99.5304



52.0712, 39.1006, 51.2590



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8389



2.1526, 1.0340, 3.5209

Inverse Universe

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



58.2034, 41.5534, 83.5508



66.9439, 43.7881, 99.5304



48.8895, 68.2817, 57.0592



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8389



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 58.2020, 41.5516, 83.5499 looks on a white background.

Color Contrast Check

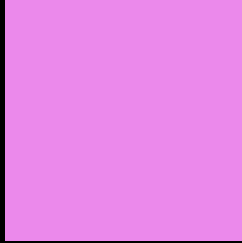
Large Text (above 18pt) WCAG AA × Fail

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 58.2020, 41.5516, 83.5499 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 58.2020, 41.5516, 83.5499

Background



This preview shows how black text looks on a background with the XYZ color 58.2020, 41.5516, 83.5499.



This preview shows how white text looks on a background with the XYZ color 58.2020, 41.5516,

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

58.2020, 41.5516, 83.5499

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

42.8157, 41.7775, 79.9360



Tritanopia

49.4561, 41.6316, 40.5510

Trichromacy



Original Color

58.2020, 41.5516, 83.5499



Protanomaly

47.3016, 40.5781, 94.1462



Deuteranomaly

47.1442, 40.7880, 80.9894



Tritanomaly

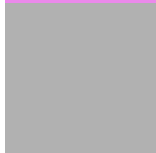
52.0411, 41.2432, 53.9331

Monochromacy



Original Color

58.2020, 41.5516, 83.5499



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

46.4021, 41.9236, 59.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2020, 41.5516, 83.5499 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, 137, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 137, 235)  
}
```

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, 137, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 137, 235) }
```

Border

The CSS property to change the border of an element to XYZ 58.2020, 41.5516, 83.5499 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, 137, 235) }
```


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

```
.border{ border-color:rgb(235, 137, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 137, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 137, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 137, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 137,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2020, 41.5516, 83.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 137, 235) }
```

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

```
.background{ background-color: rgb(235,  
137, 235) }
```

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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