

Converting Colors

XYZ(57.0392, 42.2310, 78.0281)

Have a look what the booklet for
XYZ(57.0392, 42.2310, 78.0281)
contains.

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Color

**XYZ(56.8168, 42.0479,
77.7945)**

Conversions

Conversions Part 1

Format	Color
Hex	E88EE3
RGB	232, 142, 227
RGB Percent	91%, 56%, 89%
CMY	0.0902, 0.4431, 0.1098
CMYK	0.00, 0.39, 0.02, 0.09
HSL	303°, 66%, 73%
HSV	303°, 39%, 91%
XYZ	56.8168, 42.0479, 77.7945
YIQ	178.6000, 26.3550, 45.5150

Conversions

Conversions Part 2

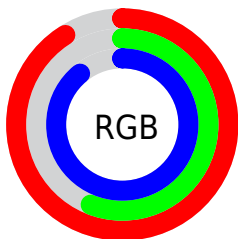
Format	Color
R_{YB}	232, 142, 227
Decimal	15240931
CIE _{Lab}	70.90, 46.61, -28.96
CIE _{LCh}	71, 54.874, 328.143
Yxy	42.0479, 0.3216, 0.2380
Android (android.graphics.Color)	4293431011 (0xFFE88EE3)
YUV	178.6000, 23.8612, 46.8318
Hunter-Lab	64.8444, 42.9246, -25.7398

Details

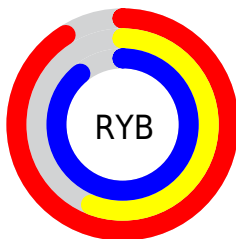
The XYZ color **56.8168, 42.0479, 77.7945** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.2802, 65.5719, 37.8764**, and the grayscale version is **42.5037, 44.7172, 48.6971**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **28.6023, 19.1990, 40.7263** is the 20% darker color. If you saturate the color by 10%, you get **53.5407, 35.7786, 75.8283**, and if you desaturate by 10%, it is **60.8152, 49.7581, 80.0089**.

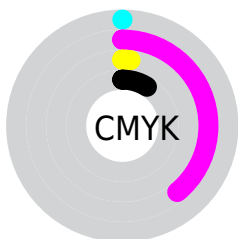
Distribution



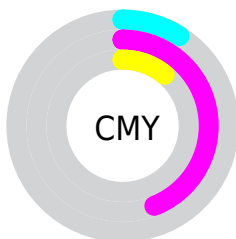
- Red (91%)
- Green (56%)
- Blue (89%)



- Red (91%)
- Yellow (56%)
- Blue (89%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (9%)





- Cyan (9%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8168, 42.0479, 77.7945 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 56.8168, 42.0479, 77.7945 by changing the saturation by 10% instead.

 56.8168, 42.0479,
77.7945


 56.8168, 42.0479,
77.7945


402.7878,
354.6815, 506.9781

 41.0977, 29.1388,
57.3897


 99.3307, 78.2721,
132.0436

 28.5835, 19.1858,
40.9068


 126.8563,
102.3560, 166.7251

 18.9086, 11.8046,
27.9271


159.0481,
130.9336, 207.0025

 11.7079, 6.6108,
18.0322

196.2715,
164.3894, 253.2944

 6.6159, 3.2199,
10.8034

238.8918,
203.1077, 306.0194

 3.2672, 1.2476,
5.8223

287.2743,

 1.2966, 0.1001,

247.4728, 365.5960

2.6703

341.7846,
297.8693, 432.4427

■ 0.1807, 0.0000,
0.9284

■ 0.0000, 0.0000,
0.0000

■ 56.8168, 42.0479,
77.7945

■ 56.8168, 42.0479,
77.7945

■ 53.5407, 35.7786,
75.8283

■ 60.8152, 49.7581,
80.0089

■ 50.9380, 30.8547,
74.0927

■ 65.5730, 58.9856,
82.4825

■ 48.9601, 27.1782,
72.5720

■ 71.1294, 69.8083,
85.2290

■ 47.5500, 24.6354,
71.2470

■ 77.5197, 82.2968,
88.2601

46.6406, 23.0918,
70.0954

83.8109, 94.5847,
91.2647

46.1308, 22.3454,
69.0836

83.9962, 94.6589,
92.2407

46.0798, 22.2763,
68.9652

84.1829, 94.7335,
93.2238

84.3710, 94.8088,
94.2140

84.5604, 94.8845,
95.2114

Harmonies

Analogous

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



48.8355, 42.0479, 106.0030



56.8168, 42.0479, 77.7945



60.2157, 42.0479, 47.4321

Triad

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



56.8168, 42.0479, 77.7945



40.5370, 42.0479, 11.6651



26.3923, 42.0479, 73.8440

Complementary

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



56.8168, 42.0479, 77.7945



45.2802, 65.5719, 37.8764

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.



24.8554, 42.0479, 44.1726



56.8168, 42.0479, 77.7945



32.2400, 42.0479, 14.2102

Square

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



56.8168, 42.0479, 77.7945



49.9706, 42.0479, 14.9704



26.8262, 42.0479, 24.0352



31.3934, 42.0479, 103.1763

Rectangle

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



56.8168, 42.0479, 77.7945



59.0872, 42.0479, 31.8377



26.8262, 42.0479, 24.0352



25.4903, 42.0479, 63.3011

Sweetspot

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



56.8182, 42.0498, 77.7954



85.7807, 81.8975, 104.4658



36.1836, 31.3314, 80.4853



18.1641, 17.1465, 22.2633



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.



56.8182, 42.0498, 77.7954



66.9211, 45.4283, 94.3258



51.4486, 39.9019, 49.5196



14.9587, 14.6007, 17.9830



25.5973, 12.3731, 38.3699



1.9022, 0.9186, 2.8914

Inverse Universe

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



56.8182, 42.0498, 77.7954



66.9211, 45.4283, 94.3258



49.4727, 67.2490, 59.9539



14.9587, 14.6007, 17.9830



25.5973, 12.3731, 38.3699



1.9022, 0.9186, 2.8914

Previews

White Background



This preview shows how the XYZ color 56.8168, 42.0479, 77.7945 looks on a white background.

Color Contrast Check

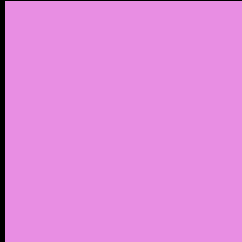
Large Text (above 18pt) WCAG AA × Fail

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 56.8168, 42.0479, 77.7945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

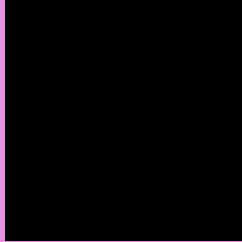
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8168, 42.0479, 77.7945

Background



This preview shows how black text looks on a background with the XYZ color 56.8168, 42.0479, 77.7945.



This preview shows how white text looks on a background with the XYZ color 56.8168, 42.0479,

77.7945.

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

56.8168, 42.0479, 77.7945

Protanopia

44.0562, 42.3549, 95.4758

Deuteranopia

43.4736, 42.5067, 75.0206



Tritanopia

49.3447, 42.0432, 41.5908

Trichromacy



Original Color

56.8168, 42.0479, 77.7945



Protanomaly

47.0384, 41.0762, 88.6684



Deuteranomaly

47.2606, 41.4706, 76.0347



Tritanomaly

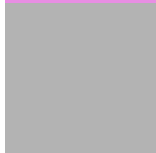
51.6620, 41.7744, 52.9173

Monochromacy



Original Color

56.8168, 42.0479, 77.7945



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.8887, 43.2637, 58.1040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8168, 42.0479, 77.7945 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(232, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(232, 142, 227)  
}
```

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(232, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 142, 227) }
```

Border

The CSS property to change the border of an element to XYZ 56.8168, 42.0479, 77.7945 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(232, 142, 227) }
```


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

```
.border{ border-color:rgb(232, 142, 227) }
```

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

Here you see how a box with a 4 pixel rgb(232, 142, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(232, 142,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8168, 42.0479, 77.7945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 142, 227) }
```

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

```
.background{ background-color: rgb(232,  
142, 227) }
```

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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