

Converting Colors

XYZ(59.4675, 48.1801, 80.2059)

Have a look what the booklet for
XYZ(59.4675, 48.1801, 80.2059)
contains.

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Color

**XYZ(59.3763, 48.1558,
80.2943)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A2E5
RGB	229, 162, 229
RGB Percent	90%, 64%, 90%
CMY	0.1020, 0.3647, 0.1020
CMYK	0.00, 0.29, 0.00, 0.10
HSL	300°, 56%, 77%
HSV	300°, 29%, 90%
XYZ	59.3763, 48.1558, 80.2943
YIQ	189.6710, 18.4250, 35.0410

Conversions

Conversions Part 2

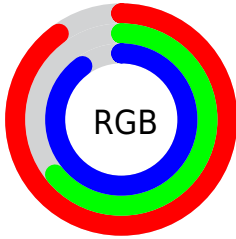
Format	Color
R _Y B	229, 162, 229
Decimal	15049445
CIE Lab	74.92, 35.52, -23.93
CIE LCh	75, 42.825, 326.032
Yxy	48.1558, 0.3161, 0.2564
Android (android.graphics.Color)	4293239525 (0xFFE5A2E5)
YUV	189.6710, 19.3892, 34.4915
Hunter-Lab	69.3944, 31.2908, -20.0267

Details

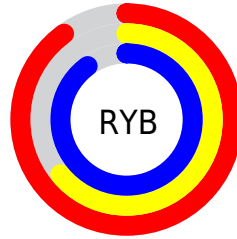
The XYZ color **59.3763, 48.1558, 80.2943** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.4432, 66.3302, 44.3821**, and the grayscale version is **48.6404, 51.1735, 55.7279**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **30.2450, 22.8386, 42.3494** is the 20% darker color. If you saturate the color by 10%, you get **55.7044, 40.8111, 79.0707**, and if you desaturate by 10%, it is **63.7858, 56.9738, 81.7648**.

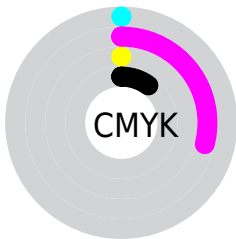
Distribution



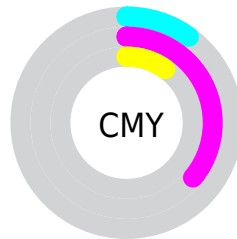
- Red (90%)
- Green (64%)
- Blue (90%)



- Red (90%)
- Yellow (64%)
- Blue (90%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (36%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3763, 48.1558, 80.2943 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 59.3763, 48.1558, 80.2943 by changing the saturation by 10% instead.


 59.3763, 48.1558,
80.2943


 59.3763, 48.1558,
80.2943


412.1667,
379.4093, 515.6570

 43.1636, 33.9503,
59.4330

 103.0359, 87.4363,
135.5946

 30.2086, 22.8554,
42.5395

 131.2135,
113.2801, 170.8706

 20.1458, 14.4868,
29.1952


164.1102,
143.7722, 211.7886

 12.6100, 8.4600,
18.9817

202.0913,
179.2968, 258.7670

 7.2357, 4.3907,
11.4804

245.5221,
220.2384, 312.2246

 3.6576, 1.8944,
6.2727

294.7681,

 1.5103, 0.5450,

266.9815, 372.5797

2.9401

350.1945,
319.9103, 440.2510

■ 0.3328, 0.0000,
1.0642

■ 0.0000, 0.0000,
0.0000

■ 59.3763, 48.1558,
80.2943

■ 59.3763, 48.1558,
80.2943

■ 55.7044, 40.8111,
79.0707

■ 63.7858, 56.9738,
81.7648

■ 52.7256, 34.8535,
78.0776

■ 68.9651, 67.3324,
83.4914

■ 50.3977, 30.1977,
77.3015

■ 74.9502, 79.3026,
85.4865

■ 48.6720, 26.7465,
76.7262

■ 81.7735, 92.9491,
87.7611

47.4933, 24.3890,
76.3331

82.2167, 93.8355,
87.9090

46.7957, 22.9939,
76.1004

82.2168, 93.8355,
87.9091

46.4749, 22.3524,
75.9934

82.2168, 93.8356,
87.9093

46.4564, 22.3154,
75.9872

82.2168, 93.8356,
87.9094

82.2169, 93.8356,
87.9096

Harmonies

Analogous

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



52.6765, 48.1558, 101.2991



59.3763, 48.1558, 80.2943



62.4301, 48.1558, 55.4639

Triad

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



59.3763, 48.1558, 80.2943



46.8169, 48.1558, 20.1865



33.5689, 48.1558, 73.6437

Complementary

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



59.3763, 48.1558, 80.2943



49.4432, 66.3302, 44.3821

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.



32.3746, 48.1558, 49.5155



59.3763, 48.1558, 80.2943



39.4964, 48.1558, 22.5239

Square

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



59.3763, 48.1558, 80.2943



54.6764, 48.1558, 24.2597



34.4204, 48.1558, 31.9021



37.8886, 48.1558, 96.7558

Rectangle

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



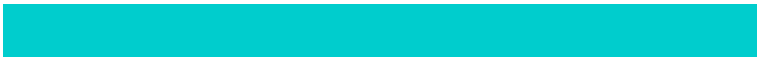
59.3763, 48.1558, 80.2943



61.7591, 48.1558, 41.4389



34.4204, 48.1558, 31.9021



32.8113, 48.1558, 65.2188

Sweetspot

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



59.3778, 48.1579, 80.2953



88.1607, 86.2214, 106.6034



41.9656, 39.1816, 79.4809



18.6488, 18.0124, 22.7438



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.



59.3778, 48.1579, 80.2953



72.8807, 55.6616, 101.5096



55.1422, 46.4637, 57.9907



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4451



1.9628, 0.9428, 3.2104

Inverse Universe

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



59.3778, 48.1579, 80.2953



72.8807, 55.6616, 101.5096



52.8284, 67.6843, 62.2087



14.9952, 14.6153, 18.1750



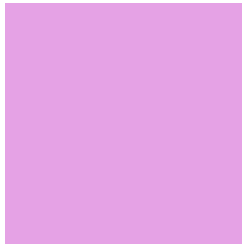
26.5611, 12.7586, 43.4451



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 59.3763, 48.1558, 80.2943 looks on a white background.

Color Contrast Check

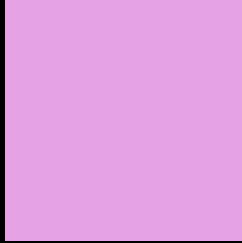
Large Text (above 18pt) WCAG AA × Fail

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 59.3763, 48.1558, 80.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

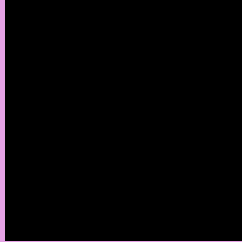
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3763, 48.1558, 80.2943

Background



This preview shows how black text looks on a background with the XYZ color 59.3763, 48.1558, 80.2943.



This preview shows how white text looks on a background with the XYZ color 59.3763, 48.1558,

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

59.3763, 48.1558, 80.2943

Protanopia

49.4111, 48.7235, 92.3883

Deuteranopia

49.4059, 48.4291, 77.9779



Tritanopia

53.6461, 48.2745, 51.8379

Trichromacy



Original Color

59.3763, 48.1558, 80.2943



Protanomaly

52.1452, 47.8391, 88.1469



Deuteranomaly

52.4167, 47.9052, 78.4355



Tritanomaly

55.4793, 48.1829, 61.0197

Monochromacy



Original Color

59.3763, 48.1558, 80.2943



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

52.1222, 49.8395, 63.9996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3763, 48.1558, 80.2943 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(229, 162, 229)` looks like.

```
.text, #text, p{  
    color:rgb(229, 162, 229)  
}
```

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(229, 162, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 162, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.3763, 48.1558, 80.2943 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(229, 162, 229) }
```


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

```
.border{ border-color:rgb(229, 162, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 162, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 162, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 162, 229);  
box-shadow:4px 4px 4px 4px rgb(229, 162,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3763, 48.1558, 80.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 162, 229) }
```

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

```
.background{ background-color: rgb(229,  
162, 229) }
```

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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