

Converting Colors

XYZ(58.8957, 46.1969, 83.1596)

Have a look what the booklet for
XYZ(58.8957, 46.1969, 83.1596)
contains.

XYZ(58.9095, 46.3181, 82.9262)	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(58.9095, 46.3181,
82.9262)**

Conversions

Conversions Part 1

Format	Color
Hex	E59CE9
RGB	229, 156, 233
RGB Percent	90%, 61%, 91%
CMY	0.1020, 0.3882, 0.0863
CMYK	0.02, 0.33, 0.00, 0.09
HSL	297°, 64%, 76%
HSV	297°, 33%, 91%
XYZ	58.9095, 46.3181, 82.9262
YIQ	186.6050, 18.7910, 39.4230

Conversions

Conversions Part 2

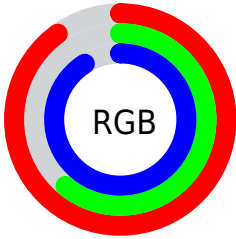
Format	Color
R _Y B	229, 156, 233
Decimal	15047913
CIE Lab	73.75, 39.44, -27.90
CIE LCh	74, 48.314, 324.726
Yxy	46.3181, 0.3131, 0.2462
Android (android.graphics.Color)	4293237993 (0xFFE59CE9)
YUV	186.6050, 22.8727, 37.1804
Hunter-Lab	68.0574, 35.4066, -24.6032

Details

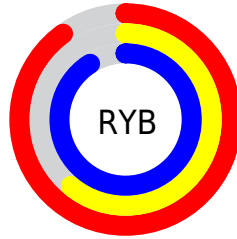
The XYZ color **58.9095, 46.3181, 82.9262** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.6384, 68.1528, 41.9933**, and the grayscale version is **46.8810, 49.3224, 53.7121**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **29.7993, 21.6455, 44.2024** is the 20% darker color. If you saturate the color by 10%, you get **54.9840, 39.0375, 81.7285**, and if you desaturate by 10%, it is **63.5906, 55.1039, 84.3760**.

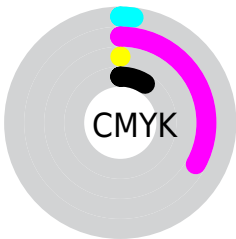
Distribution



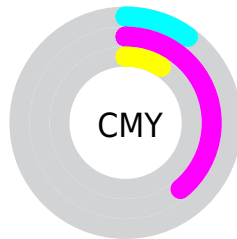
- Red (90%)
- Green (61%)
- Blue (91%)



- Red (90%)
- Yellow (61%)
- Blue (91%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)





- Cyan (10%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9095, 46.3181, 82.9262 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 58.9095, 46.3181, 82.9262 by changing the saturation by 10% instead.


 58.9095, 46.3181,
82.9262


 58.9095, 46.3181,
82.9262


410.4659,
372.0860, 524.7051

 42.7864, 32.4969,
61.5890

 102.3615, 84.6949,
139.3204

 29.9113, 21.7413,
44.2671


 130.4211,
110.0192, 175.2145

 19.9190, 13.6670,
30.5418

163.1902,
139.9468, 216.7980

 12.4441, 7.8894,
19.9946

201.0341,
174.8619, 264.4894

 7.1212, 4.0243,
12.2071

244.3183,
215.1490, 318.7073

 3.5850, 1.6871,
6.7606

293.4081,

 1.4702, 0.4153,

261.1924, 379.8701

3.2367

348.6689,
313.3767, 448.3966

■ 0.3054, 0.0000,
1.2167

■ 0.0000, 0.0000,
0.0000

■ 58.9095, 46.3181,
82.9262

■ 58.9095, 46.3181,
82.9262

■ 54.9840, 39.0375,
81.7285

■ 63.5906, 55.1039,
84.3760

■ 51.7666, 33.1699,
80.7655


■ 69.0623, 65.4681,
86.0881


■ 49.2113, 28.6228,
80.0225


■ 75.3631, 77.4863,
88.0757


■ 47.2650, 25.2896,
79.4817


■ 82.5273, 91.2274,
90.3505


 45.8664, 23.0477,
79.1227


 84.7465, 95.0744,
90.9760


 44.9410, 21.7485,
78.9207

 85.1476, 95.2812,
90.9948

 44.4959, 21.2394,
78.8459

 85.5514, 95.4894,
91.0137

 85.9580, 95.6990,
91.0327

 86.3673, 95.9100,
91.0519

Harmonies

Analogous

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



51.2899, 46.3181, 106.6586



58.9095, 46.3181, 82.9262



62.5756, 46.3181, 54.9004

Triad

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



58.9095, 46.3181, 82.9262



45.5576, 46.3181, 16.5029



30.6772, 46.3181, 72.8841

Complementary

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



58.9095, 46.3181, 82.9262



49.6384, 68.1528, 41.9933

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.



29.5574, 46.3181, 46.2139



58.9095, 46.3181, 82.9262



37.4789, 46.3181, 18.5432

Square

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



58.9095, 46.3181, 82.9262



54.2527, 46.3181, 20.8622



31.8844, 46.3181, 27.7760



35.1692, 46.3181, 99.6633

Rectangle

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



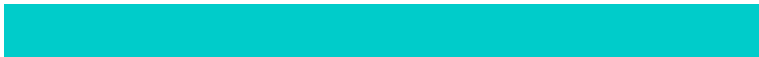
58.9095, 46.3181, 82.9262



61.9808, 46.3181, 39.3525



31.8844, 46.3181, 27.7760



29.9208, 46.3181, 63.4186

Sweetspot

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



58.9110, 46.3201, 82.9272



86.9622, 84.5454, 106.3432



41.1884, 38.4897, 82.3499



18.3883, 17.6673, 22.6909



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.



58.9110, 46.3201, 82.9272



68.7588, 50.2714, 100.6871



55.8767, 45.2555, 60.2110



15.6330, 15.2716, 19.0460



25.2812, 12.0689, 44.7400



2.0089, 0.9599, 3.5143

Inverse Universe

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



51.8394, 43.6406, 38.9510



58.8285, 46.5214, 38.3614



52.0760, 69.0370, 58.9357



15.0972, 15.0667, 15.7971



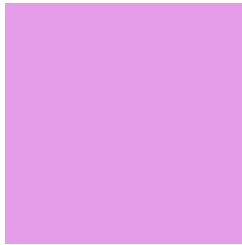
19.1193, 9.8504, 1.1637



1.5125, 0.7780, 0.1503

Previews

White Background



This preview shows how the XYZ color 58.9095, 46.3181, 82.9262 looks on a white background.

Color Contrast Check

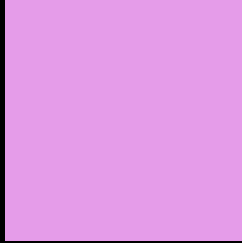
Large Text (above 18pt) WCAG AA × Fail

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 58.9095, 46.3181, 82.9262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

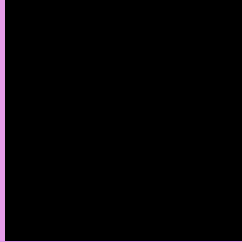
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.9095, 46.3181, 82.9262

Background



This preview shows how black text looks on a background with the XYZ color 58.9095, 46.3181, 82.9262.



This preview shows how white text looks on a background with the XYZ color 58.9095, 46.3181, 82.9262.

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

58.9095, 46.3181, 82.9262

Protanopia

47.8726, 46.6159, 96.9171

Deuteranopia

47.7424, 46.6119, 80.6094



Tritanopia

52.1811, 46.4623, 49.3979

Trichromacy



Original Color

58.9095, 46.3181, 82.9262



Protanomaly

50.8996, 45.9718, 91.7787



Deuteranomaly

51.1633, 46.0647, 81.0577



Tritanomaly

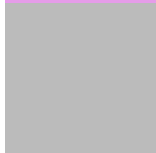
54.4573, 46.3255, 60.1043

Monochromacy



Original Color

58.9095, 46.3181, 82.9262



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

50.7815, 47.9669, 63.7088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9095, 46.3181, 82.9262 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, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(229, 156, 233)  
}
```

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, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 156, 233) }
```

Border

The CSS property to change the border of an element to XYZ 58.9095, 46.3181, 82.9262 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, 156, 233) }
```


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

```
.border{ border-color:rgb(229, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 156,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9095, 46.3181, 82.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 156, 233) }
```

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

```
.background{ background-color: rgb(229,  
156, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor