

# Converting Colors

XYZ(58.4733, 45.4244, 79.6725)

Have a look what the booklet for XYZ(58.4733, 45.4244, 79.6725) contains.

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# Color

**XYZ(58.4891, 45.4285,  
79.8146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E799E5
RGB	231, 153, 229
RGB Percent	91%, 60%, 90%
CMY	0.0941, 0.4000, 0.1020
CMYK	0.00, 0.34, 0.01, 0.09
HSL	302°, 62%, 75%
HSV	302°, 34%, 91%
XYZ	58.4891, 45.4285, 79.8146
YIQ	184.9860, 22.0920, 40.1720

# Conversions

## Conversions Part 2

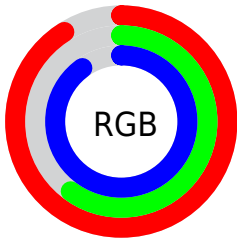
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 153, 229
Decimal	15178213
CIE Lab	73.17, 40.92, -26.58
CIE LCh	73, 48.797, 326.990
Yxy	45.4285, 0.3183, 0.2473
Android (android.graphics.Color)	4293368293 (0xFFE799E5)
YUV	184.9860, 21.6989, 40.3543
Hunter-Lab	67.4007, 36.9480, -23.0296

# Details

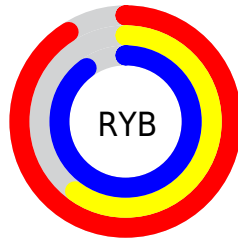
The XYZ color **58.4891, 45.4285, 79.8146** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.6311, 66.2923, 41.2982**, and the grayscale version is **45.9821, 48.3768, 52.6823**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **29.5556, 21.1301, 42.0559** is the 20% darker color. If you saturate the color by 10%, you get **54.9859, 38.5533, 78.2398**, and if you desaturate by 10%, it is **62.7274, 53.7715, 81.6368**.

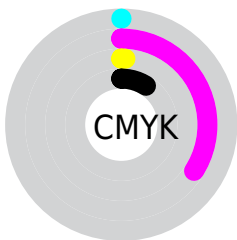
# Distribution



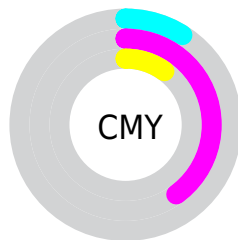
- Red (91%)
- Green (60%)
- Blue (90%)



- Red (91%)
- Yellow (60%)
- Blue (90%)



- Cyan (0%)
- Magenta (34%)
- Yellow (1%)
- Black (9%)




- Cyan (9%)
- Magenta (40%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4891, 45.4285, 79.8146 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 58.4891, 45.4285, 79.8146 by changing the saturation by 10% instead.





 58.4891, 45.4285,  
79.8146


 58.4891, 45.4285,  
79.8146


408.9305,  
368.5062, 513.9981

 42.4468, 31.7951,  
59.0405


 101.7536, 83.3630,  
134.9141

 29.6439, 21.2050,  
42.2255


 129.7066,  
108.4330, 170.0766

 19.7152, 13.2739,  
28.9510


162.3604,  
138.0838, 210.8723

 12.2952, 7.6175,  
18.7985

200.0805,  
172.7000, 257.7198

 7.0187, 3.8512,  
11.3494

243.2322,  
212.6660, 311.0375

 3.5202, 1.5907,  
6.1853

292.1808,

 1.4345, 0.3513,

258.3661, 371.2442

2.8875

347.2918,  
310.1847, 438.7582

■ 0.2806, 0.0000,  
1.0375

■ 0.0000, 0.0000,  
0.0000

■ 58.4891, 45.4285,  
79.8146

■ 58.4891, 45.4285,  
79.8146

■ 54.9859, 38.5533,  
78.2398

■ 62.7274, 53.7715,  
81.6368

■ 52.1709, 33.0551,  
76.8953


■ 67.7353, 63.6542,  
83.7164


■ 49.9989, 28.8425,  
75.7666


■ 73.5506, 75.1512,  
86.0665


■ 48.4174, 25.8103,  
74.8361


■ 80.2071, 88.3303,  
88.6985


 47.3656, 23.8370,  
74.0835


 83.2758, 94.3333,  
90.1359


 46.7695, 22.7748,  
73.4842

 83.3602, 94.3670,  
90.5799

 46.5565, 22.4296,  
73.1641

 83.4448, 94.4009,  
91.0254

 83.5296, 94.4348,  
91.4724

 83.6148, 94.4689,  
91.9210

# Harmonies

## Analogous

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



51.0800, 45.4285, 104.4205



58.4891, 45.4285, 79.8146



61.7709, 45.4285, 51.9788

# Triad

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



58.4891, 45.4285, 79.8146



44.0478, 45.4285, 15.7633



30.1196, 45.4285, 74.0648

# Complementary

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



58.4891, 45.4285, 79.8146



47.6311, 66.2923, 41.2982

# 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.



28.7500, 45.4285, 47.0315



58.4891, 45.4285, 79.8146



36.1369, 45.4285, 18.2462

# Square

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



58.4891, 45.4285, 79.8146



52.7715, 45.4285, 19.5482



30.8040, 45.4285, 27.9864



34.8246, 45.4285, 100.4029



# Rectangle

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



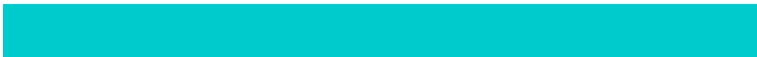
58.4891, 45.4285, 79.8146



60.8927, 45.4285, 36.9389



30.8040, 45.4285, 27.9864



29.2832, 45.4285, 64.5415

# Sweetspot

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



58.4906, 45.4305, 79.8156



87.3427, 84.7537, 105.8122



39.2007, 35.4537, 80.3796



18.4811, 17.7182, 22.5613



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.



58.4906, 45.4305, 79.8156



69.8395, 50.2651, 98.3812



53.7189, 43.5219, 54.6885



14.9783, 14.6085, 18.0862



26.1073, 12.5772, 41.0558



1.9343, 0.9314, 3.0607



# Inverse Universe

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



58.4906, 45.4305, 79.8156



69.8395, 50.2651, 98.3812



51.3737, 67.7893, 61.0066



14.9783, 14.6085, 18.0862



26.1073, 12.5772, 41.0558



1.9343, 0.9314, 3.0607



# Previews

## White Background



This preview shows how the XYZ color 58.4891, 45.4285, 79.8146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

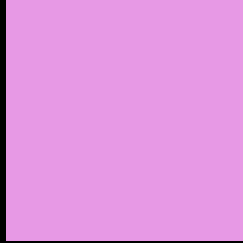
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4891, 45.4285, 79.8146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

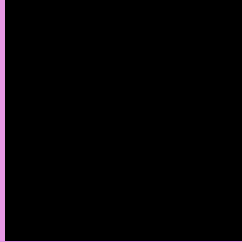
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4891, 45.4285, 79.8146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4891, 45.4285, 79.8146.



This preview shows how white text looks on a background with the XYZ color 58.4891, 45.4285,



# 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

58.4891, 45.4285, 79.8146

### Protanopia

47.0070, 45.9271, 94.3830

### Deuteranopia

46.7951, 45.6009, 77.5696



## Tritanopia

51.8524, 45.5328, 47.1301

# Trichromacy



## Original Color

58.4891, 45.4285, 79.8146



## Protanomaly

49.9237, 44.9815, 88.4891



## Deuteranomaly

50.2358, 45.0984, 78.0086



## Tritanomaly

54.0997, 45.4126, 57.5439

# Monochromacy



## Original Color

58.4891, 45.4285, 79.8146



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

49.8433, 46.6607, 61.6377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4891, 45.4285, 79.8146 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(231, 153, 229)` looks like.

```
.text, #text, p{  
    color:rgb(231, 153, 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(231, 153, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 153, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4891, 45.4285, 79.8146 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(231, 153, 229) }
```



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

```
.border{ border-color:rgb(231, 153, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 153, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 153, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 153, 229); box-shadow:4px 4px 4px 4px rgb(231, 153, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4891, 45.4285, 79.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 153, 229) }
```

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

```
.background{ background-color: rgb(231,  
153, 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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