

Converting Colors

XYZ(58.8080, 45.7848, 90.8841)

Have a look what the booklet for
XYZ(58.8080, 45.7848, 90.8841)
contains.

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Color

**XYZ(58.6395, 45.7610,
90.5361)**

Conversions

Conversions Part 1

Format	Color
Hex	E09BF3
RGB	224, 155, 243
RGB Percent	88%, 61%, 95%
CMY	0.1216, 0.3921, 0.0471
CMYK	0.08, 0.36, 0.00, 0.05
HSL	287°, 79%, 78%
HSV	287°, 36%, 95%
XYZ	58.6395, 45.7610, 90.5361
YIQ	185.6630, 12.8760, 41.9960

Conversions

Conversions Part 2

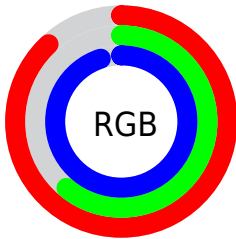
Format	Color
RYB	224, 155, 243
Decimal	14719987
CIELab	73.39, 40.35, -33.95
CIELCh	73, 52.730, 319.924
Yxy	45.7610, 0.3008, 0.2347
Android (android.graphics.Color)	4292910067 (0xFFE09BF3)
YUV	185.6630, 28.2671, 33.6215
Hunter-Lab	67.6469, 36.3502, -31.9987

Details

The XYZ color **58.6395, 45.7610, 90.5361** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **55.4239, 75.4674, 42.6579**, and the grayscale version is **46.3270, 48.7396, 53.0774**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **29.6574, 21.3061, 49.5631** is the 20% darker color. If you saturate the color by 10%, you get **53.3944, 37.6466, 89.2470**, and if you desaturate by 10%, it is **64.7515, 55.5325, 92.1008**.

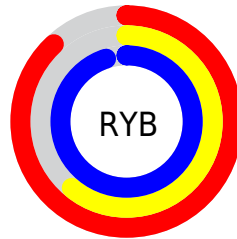
Distribution



Red (88%)

Green (61%)

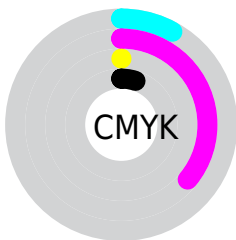
Blue (95%)



Red (88%)

Yellow (61%)

Blue (95%)

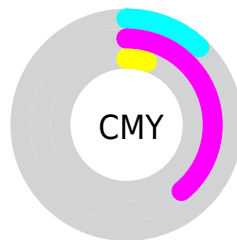


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (5%)



Cyan (12%)


Magenta (39%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6395, 45.7610, 90.5361 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 58.6395, 45.7610, 90.5361 by changing the saturation by 10% instead.


 58.6395, 45.7610,
90.5361


 58.6395, 45.7610,
90.5361


409.4802,
369.8470, 550.3883

 42.5682, 32.0573,
67.8492

 101.9712, 83.8612,
150.0249

 29.7395, 21.4052,
49.3091


 129.9623,
109.0265, 187.6637

 19.7881, 13.4205,
34.4974


162.6574,
138.7810, 231.1237

 12.3484, 7.7188,
22.9955

200.4218,
173.5092, 280.8232

 7.0553, 3.9155,
14.3849

243.6210,
213.5956, 337.1809

 3.5434, 1.6264,
8.2471

292.6202,

 1.4472, 0.3753,

259.4243, 400.6153

4.1634

347.7848,
311.3800, 471.5449

■ 0.2895, 0.0000,
1.7154

■ 0.0000, 0.0000,
0.3713

■ 58.6395, 45.7610,
90.5361

■ 58.6395, 45.7610,
90.5361

■ 53.3944, 37.6466,
89.2470

■ 64.7515, 55.5325,
92.1008

■ 48.9621, 31.0851,
88.2141

■ 71.7713, 67.0455,
93.9530

■ 45.2893, 25.9695,
87.4203

■ 79.7425, 80.3856,
96.1078

■ 42.3140, 22.1763,
86.8449

■ 88.7046, 95.6310,
98.5781

■ 39.9638, 19.5615,
86.4641

■ 91.4462, 98.3585,
98.9600

■ 38.1487, 17.9458,
86.2479

■ 93.1778, 99.2511,
99.0411

■ 37.5472, 17.4874,
86.1911

Harmonies

Analogous

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



49.8679, 45.7610, 115.0304



58.6395, 45.7610, 90.5361



63.5517, 45.7610, 59.3197

Triad

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



58.6395, 45.7610, 90.5361



46.6941, 45.7610, 14.5302



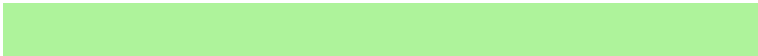
28.7735, 45.7610, 69.3645

Complementary

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



58.6395, 45.7610, 90.5361



55.4239, 75.4674, 42.6579

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.



28.1753, 45.7610, 41.4033



58.6395, 45.7610, 90.5361



37.6886, 45.7610, 15.5526

Square

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



58.6395, 45.7610, 90.5361



56.0337, 45.7610, 20.0437



31.2112, 45.7610, 23.6206



32.9811, 45.7610, 100.0982

Rectangle

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



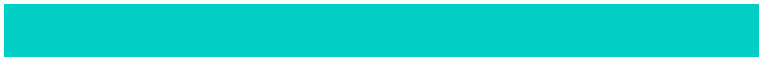
58.6395, 45.7610, 90.5361



63.5623, 45.7610, 41.5216



31.2112, 45.7610, 23.6206



28.1691, 45.7610, 59.1697

Sweetspot

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



58.6410, 45.7630, 90.5371



84.5523, 82.2603, 106.0292



44.8459, 43.7394, 90.8736



17.8405, 17.1771, 22.6252



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.



58.6410, 45.7630, 90.5371



61.2894, 44.6212, 99.9902



61.3484, 47.5646, 72.3242



16.8430, 16.5772, 20.8546



20.7258, 9.6589, 47.3100



1.9065, 0.8927, 4.1621

Inverse Universe

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



56.3248, 45.5552, 45.8704



58.5826, 44.4834, 43.0463



53.8011, 74.3634, 54.6642



16.6455, 16.5411, 17.8800



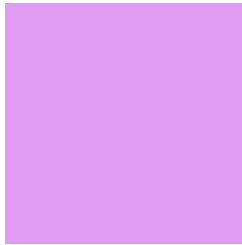
20.6724, 10.6124, 2.9833



1.8534, 0.9473, 0.4546

Previews

White Background



This preview shows how the XYZ color 58.6395, 45.7610, 90.5361 looks on a white background.

Color Contrast Check

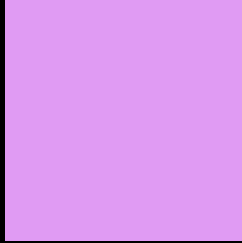
Large Text (above 18pt) WCAG AA × Fail

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 58.6395, 45.7610, 90.5361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

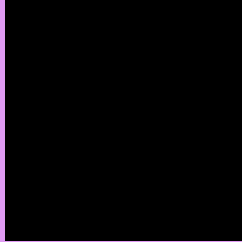
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6395, 45.7610, 90.5361

Background



This preview shows how black text looks on a background with the XYZ color 58.6395, 45.7610, 90.5361.



This preview shows how white text looks on a background with the XYZ color 58.6395, 45.7610,

90.5361.

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

58.6395, 45.7610, 90.5361

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.2263, 46.1798, 88.0859



Tritanopia

50.3675, 45.7885, 49.8995

Trichromacy



Original Color

58.6395, 45.7610, 90.5361



Protanomaly

50.8434, 45.5382, 97.3768



Deuteranomaly

50.5964, 45.6055, 88.5741



Tritanomaly

52.9097, 45.4594, 63.1126

Monochromacy



Original Color

58.6395, 45.7610, 90.5361



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

50.4119, 47.4443, 65.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6395, 45.7610, 90.5361 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(224, 155, 243)` looks like.

```
.text, #text, p{  
    color:rgb(224, 155, 243)  
}
```

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(224, 155, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 155, 243) }
```

Border

The CSS property to change the border of an element to XYZ 58.6395, 45.7610, 90.5361 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(224, 155, 243) }
```


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

```
.border{ border-color:rgb(224, 155, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 155, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 155, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 155, 243);  
box-shadow:4px 4px 4px 4px rgb(224, 155,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6395, 45.7610, 90.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 155, 243) }
```

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

```
.background{ background-color: rgb(224,  
155, 243) }
```

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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