

Converting Colors

XYZ(57.8457, 45.2424, 85.9196)

Have a look what the booklet for
XYZ(57.8457, 45.2424, 85.9196)
contains.

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Color

**XYZ(57.8930, 45.2332,
85.8003)**

Conversions

Conversions Part 1

Format	Color
Hex	E19AED
RGB	225, 154, 237
RGB Percent	88%, 60%, 93%
CMY	0.1176, 0.3961, 0.0706
CMYK	0.05, 0.35, 0.00, 0.07
HSL	291°, 70%, 77%
HSV	291°, 35%, 93%
XYZ	57.8930, 45.2332, 85.8003
YIQ	184.6910, 15.6730, 40.8650

Conversions

Conversions Part 2

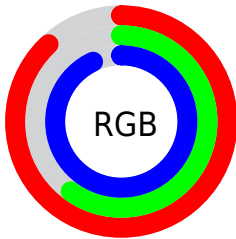
Format	Color
R _Y B	225, 154, 237
Decimal	14785261
CIE Lab	73.05, 40.02, -31.20
CIE LCh	73, 50.749, 322.057
Yxy	45.2332, 0.3064, 0.2394
Android (android.graphics.Color)	4292975341 (0xFFE19AED)
YUV	184.6910, 25.7883, 35.3510
Hunter-Lab	67.2556, 35.9537, -28.5593

Details

The XYZ color **57.8930, 45.2332, 85.8003** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.8443, 71.0095, 41.5478**, and the grayscale version is **45.7991, 48.1843, 52.4727**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **29.1426, 20.9684, 46.2274** is the 20% darker color. If you saturate the color by 10%, you get **53.3037, 37.6236, 84.5741**, and if you desaturate by 10%, it is **63.2789, 54.4021, 87.2869**.

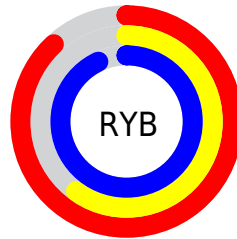
Distribution



Red (88%)

Green (60%)

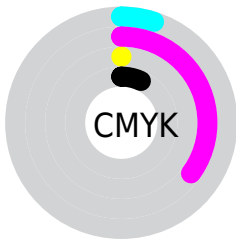
Blue (93%)



Red (88%)

Yellow (60%)

Blue (93%)

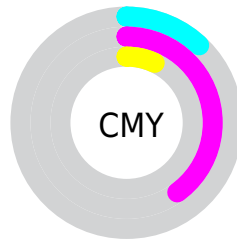


Cyan (5%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (12%)


Magenta (40%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8930, 45.2332, 85.8003 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 57.8930, 45.2332, 85.8003 by changing the saturation by 10% instead.

 57.8930, 45.2332,
85.8003


 57.8930, 45.2332,
85.8003


406.7474,
367.7172, 534.4860

 41.9656, 31.6411,
63.9489

 100.8909, 83.0702,
143.3749

 29.2653, 21.0876,
46.1634


 128.6920,
108.0840, 179.9351

 19.4269, 13.1880,
32.0252


161.1818,
137.6738, 222.2354

 12.0850, 7.5581,
21.1157

198.7256,
172.2241, 270.6942

 6.8742, 3.8135,
13.0166

241.6886,
212.1191, 325.7301

 3.4292, 1.5698,
7.3091

290.4364,

 1.3846, 0.3371,

257.7434, 387.7617

3.5748

345.3342,
309.4813, 457.2075

■ 0.2452, 0.0000,
1.3951

■ 0.0000, 0.0000,
0.1379

■ 57.8930, 45.2332,
85.8003

■ 57.8930, 45.2332,
85.8003

■ 53.3037, 37.6236,
84.5741

■ 63.2789, 54.4021,
87.2869

■ 49.4608, 31.4760,
83.5900

■ 69.4989, 65.2084,
89.0449

■ 46.3151, 26.6915,
82.8323

■ 76.5937, 77.7319,
91.0882

■ 43.8096, 23.1561,
82.2820

■ 84.5996, 92.0454,
93.4290

41.8780, 20.7375,
81.9169

87.7101, 96.5354,
94.1318

40.4388, 19.2728,
81.7100

88.8982, 97.1479,
94.1874

39.8431, 18.7740,
81.6452

90.1084, 97.7718,
94.2440

91.3409, 98.4071,
94.3017

92.2862, 98.8945,
94.3459

Harmonies

Analogous

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



49.7202, 45.2332, 109.8022



57.8930, 45.2332, 85.8003



62.1915, 45.2332, 56.3137

Triad

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



57.8930, 45.2332, 85.8003



45.3928, 45.2332, 14.9870



29.0448, 45.2332, 69.9633

Complementary

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



57.8930, 45.2332, 85.8003



51.8443, 71.0095, 41.5478

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.



28.2178, 45.2332, 42.8054



57.8930, 45.2332, 85.8003



36.9013, 45.2332, 16.4365

Square

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



57.8930, 45.2332, 85.8003



54.3546, 45.2332, 19.9025



30.8974, 45.2332, 24.9102



33.3361, 45.2332, 98.6817

Rectangle

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



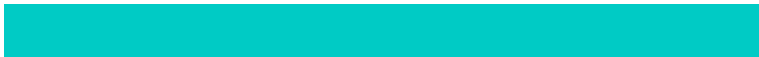
57.8930, 45.2332, 85.8003



61.9200, 45.2332, 39.7375



30.8974, 45.2332, 24.9102



28.3787, 45.2332, 60.1739

Sweetspot

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



57.8945, 45.2352, 85.8013



85.2691, 82.6298, 106.0627



42.3325, 40.4229, 85.6926



18.0123, 17.2657, 22.6332



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.



57.8945, 45.2352, 85.8013



64.3953, 46.8091, 100.2488



57.8610, 45.6692, 65.4092



15.4883, 15.1970, 19.0392



21.8392, 10.2944, 44.5789



1.7734, 0.8385, 3.5033

Inverse Universe

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



53.3651, 43.8708, 41.7336



58.4595, 45.0666, 40.4485



52.1646, 70.8605, 55.7570



15.1542, 15.0895, 16.0972



19.2562, 9.9052, 1.8846



1.5397, 0.7888, 0.2934

Previews

White Background



This preview shows how the XYZ color 57.8930, 45.2332, 85.8003 looks on a white background.

Color Contrast Check

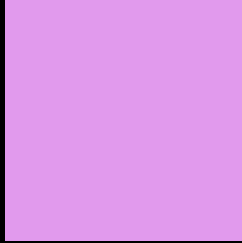
Large Text (above 18pt) WCAG AA × Fail

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 57.8930, 45.2332, 85.8003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

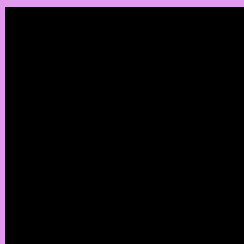
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8930, 45.2332, 85.8003

Background



This preview shows how black text looks on a background with the XYZ color 57.8930, 45.2332, 85.8003.



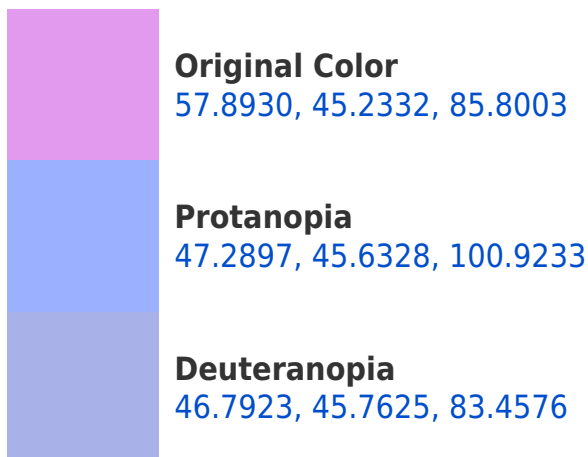
This preview shows how white text looks on a background with the XYZ color 57.8930, 45.2332,

85.8003.

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





Tritanopia

50.3882, 45.2788, 48.7318

Trichromacy



Original Color

57.8930, 45.2332, 85.8003



Protanomaly

49.9536, 44.8565, 94.8323



Deuteranomaly

50.0255, 45.1353, 83.9172



Tritanomaly

52.8609, 45.2264, 60.5871

Monochromacy



Original Color

57.8930, 45.2332, 85.8003



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.8546, 46.9111, 63.5539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8930, 45.2332, 85.8003 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(225, 154, 237)` looks like.

```
.text, #text, p{  
    color:rgb(225, 154, 237)  
}
```

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(225, 154, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 154, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.8930, 45.2332, 85.8003 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(225, 154, 237) }
```


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

```
.border{ border-color:rgb(225, 154, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 154, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 154, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 154, 237);  
box-shadow:4px 4px 4px 4px rgb(225, 154,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8930, 45.2332, 85.8003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 154, 237) }
```

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

```
.background{ background-color: rgb(225,  
154, 237) }
```

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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