

Converting Colors

XYZ(55.6625, 45.8611, 82.5776)

Have a look what the booklet for
XYZ(55.6625, 45.8611, 82.5776)
contains.

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Color

**XYZ(55.6293, 45.9149,
82.2744)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A1E8
RGB	216, 161, 232
RGB Percent	85%, 63%, 91%
CMY	0.1529, 0.3686, 0.0902
CMYK	0.07, 0.31, 0.00, 0.09
HSL	286°, 61%, 77%
HSV	286°, 31%, 91%
XYZ	55.6293, 45.9149, 82.2744
YIQ	185.5390, 9.9890, 33.7410

Conversions

Conversions Part 2

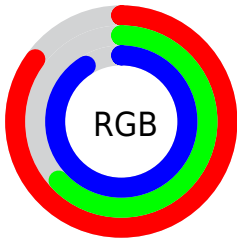
Format	Color
R _{YB}	216, 161, 232
Decimal	14197224
CIE Lab	73.49, 32.51, -27.87
CIE LCh	73, 42.819, 319.389
Yxy	45.9149, 0.3026, 0.2498
Android (android.graphics.Color)	4292387304 (0xFFD8A1E8)
YUV	185.5390, 22.9053, 26.7143
Hunter-Lab	67.7605, 27.9620, -24.5572

Details

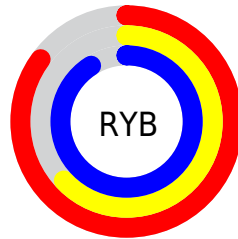
The XYZ color **55.6293, 45.9149, 82.2744** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.4226, 69.6347, 44.3456**, and the grayscale version is **46.2880, 48.6986, 53.0328**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **27.8023, 21.5455, 43.7676** is the 20% darker color. If you saturate the color by 10%, you get **50.4253, 37.7627, 80.9758**, and if you desaturate by 10%, it is **61.6376, 55.6007, 83.8280**.

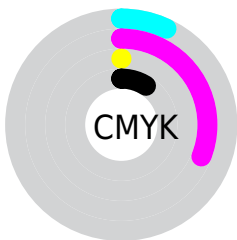
Distribution



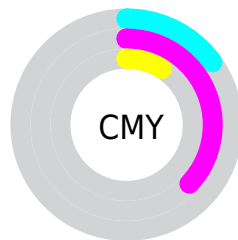
- Red (85%)
- Green (63%)
- Blue (91%)



- Red (85%)
- Yellow (63%)
- Blue (91%)



- Cyan (7%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6293, 45.9149, 82.2744 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 55.6293, 45.9149, 82.2744 by changing the saturation by 10% instead.

■ 55.6293, 45.9149,
82.2744

■ 55.6293, 45.9149,
82.2744

398.3907,
370.4664, 522.4726

■ 40.1416, 32.1787,
61.0546

■ 97.6053, 84.0916,
138.3989

■ 27.8337, 21.4980,
43.8384

■ 124.8244,
109.3009, 174.1406

■ 18.3401, 13.4885,
30.2072

156.6846,
139.1033, 215.5601

■ 11.2956, 7.7658,
19.7425

193.5514,
173.8833, 263.0759

■ 6.3348, 3.9455,
12.0258

235.7900,
214.0252, 317.1065

■ 3.0923, 1.6431,
6.6385

283.7658,

■ 1.2028, 0.3864,

259.9134, 378.0705

3.1621

337.8443,
311.9324, 446.3863

■ 0.1085, 0.0000,
1.1780

■ 0.0000, 0.0000,
0.0000

■ 55.6293, 45.9149,
82.2744

■ 55.6293, 45.9149,
82.2744

■ 50.4253, 37.7627,
80.9758

■ 61.6376, 55.6007,
83.8280

■ 45.9790, 31.0546,
79.9154

■ 68.4846, 66.8913,
85.6464

■ 42.2457, 25.7009,
79.0788

■ 76.2081, 79.8606,
87.7427

■ 39.1739, 21.5993,
78.4490

■ 84.8421, 94.5760,
90.1280

■ 36.7047, 18.6326,
78.0065

■ 86.9926, 96.2487,
90.3375

■ 34.7680, 16.6613,
77.7281

■ 88.8143, 97.1879,
90.4227

■ 33.3228, 15.4959,
77.5793

■ 90.6878, 98.1537,
90.5104

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



48.6454, 45.9149, 100.4289



55.6293, 45.9149, 82.2744



59.5405, 45.9149, 58.0560

Triad

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



55.6293, 45.9149, 82.2744



46.3719, 45.9149, 19.2280



31.3173, 45.9149, 65.1232

Complementary

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



55.6293, 45.9149, 82.2744



53.4226, 69.6347, 44.3456

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.



30.8581, 45.9149, 42.7143



55.6293, 45.9149, 82.2744



38.9916, 45.9149, 20.1132

Square

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



55.6293, 45.9149, 82.2744



53.8006, 45.9149, 24.5858



33.5116, 45.9149, 27.5005



34.8480, 45.9149, 88.7145

Rectangle

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



55.6293, 45.9149, 82.2744



59.6067, 45.9149, 43.5062



33.5116, 45.9149, 27.5005



30.8154, 45.9149, 57.0956

Sweetspot

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



55.6308, 45.9169, 82.2754



86.2835, 85.2537, 106.5157



45.0996, 45.0739, 82.6678



18.1830, 17.7723, 22.7220



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.



55.6308, 45.9169, 82.2754



64.5796, 50.0357, 100.8619



58.0437, 47.4549, 69.0969



14.6608, 14.4429, 18.1594



18.6130, 8.6612, 43.0739



1.4536, 0.6803, 3.1867

Inverse Universe

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



53.9609, 45.8218, 47.5974



62.3582, 50.0013, 50.5728



51.7876, 68.5840, 53.6550



14.5093, 14.4209, 15.6166



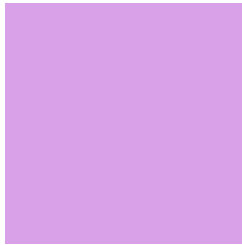
18.8619, 9.6790, 2.9017



1.4285, 0.7291, 0.3972

Previews

White Background



This preview shows how the XYZ color 55.6293, 45.9149, 82.2744 looks on a white background.

Color Contrast Check

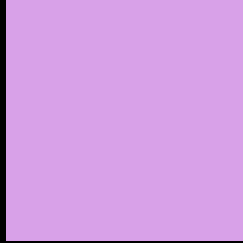
Large Text (above 18pt) WCAG AA × Fail

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 55.6293, 45.9149, 82.2744 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 55.6293, 45.9149, 82.2744

Background



This preview shows how black text looks on a background with the XYZ color 55.6293, 45.9149, 82.2744.



This preview shows how white text looks on a background with the XYZ color 55.6293, 45.9149,

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

55.6293, 45.9149, 82.2744

Protanopia

47.3021, 46.1147, 92.7941

Deuteranopia

47.0986, 45.9857, 80.5225



Tritanopia

49.3209, 45.7655, 51.5815

Trichromacy



Original Color

55.6293, 45.9149, 82.2744



Protanomaly

49.7721, 45.7414, 88.6438



Deuteranomaly

49.8321, 45.6578, 81.0493



Tritanomaly

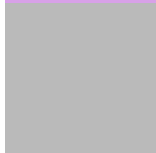
51.5127, 45.8515, 61.3936

Monochromacy



Original Color

55.6293, 45.9149, 82.2744



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

49.5276, 47.6264, 63.0823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6293, 45.9149, 82.2744 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(216, 161, 232)` looks like.

```
.text, #text, p{  
    color:rgb(216, 161, 232)  
}
```

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(216, 161, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 161, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.6293, 45.9149, 82.2744 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(216, 161, 232) }
```


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

```
.border{ border-color:rgb(216, 161, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 161, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 161, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 161, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 161,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6293, 45.9149, 82.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 161, 232) }
```

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

```
.background{ background-color: rgb(216,  
161, 232) }
```

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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