

Converting Colors

XYZ(56.6164, 45.1643, 77.3848)

Have a look what the booklet for
XYZ(56.6164, 45.1643, 77.3848)
contains.

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Color

**XYZ(56.6673, 45.2755,
77.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	E19CE2
RGB	225, 156, 226
RGB Percent	88%, 61%, 89%
CMY	0.1176, 0.3882, 0.1137
CMYK	0.00, 0.31, 0.00, 0.11
HSL	299°, 55%, 75%
HSV	299°, 31%, 89%
XYZ	56.6673, 45.2755, 77.7039
YIQ	184.6110, 18.6540, 36.3980

Conversions

Conversions Part 2

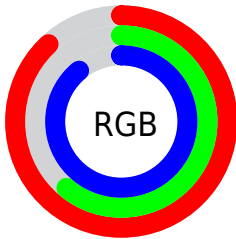
Format	Color
RYB	225, 156, 226
Decimal	14785762
CIELab	73.07, 36.89, -25.15
CIELCh	73, 44.649, 325.712
Yxy	45.2755, 0.3154, 0.2520
Android (android.graphics.Color)	4292975842 (0xFFE19CE2)
YUV	184.6110, 20.4048, 35.4212
Hunter-Lab	67.2871, 32.5754, -21.3678

Details

The XYZ color **56.6673, 45.2755, 77.7039** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.1033, 63.9623, 41.3181**, and the grayscale version is **45.7825, 48.1668, 52.4536**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **28.4681, 21.0378, 40.5905** is the 20% darker color. If you saturate the color by 10%, you get **53.1220, 38.3332, 76.5514**, and if you desaturate by 10%, it is **60.9212, 53.6329, 79.0935**.

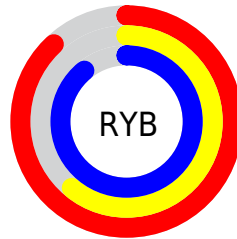
Distribution



Red (88%)

Green (61%)

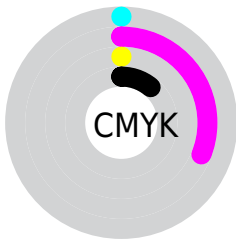
Blue (89%)



Red (88%)

Yellow (61%)

Blue (89%)

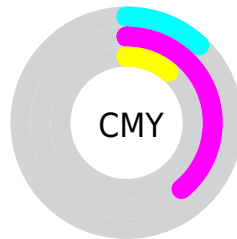


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6673, 45.2755, 77.7039 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 56.6673, 45.2755, 77.7039 by changing the saturation by 10% instead.


 56.6673, 45.2755,
77.7039


 56.6673, 45.2755,
77.7039


402.2358,
367.8882, 506.6619

 40.9773, 31.6745,
57.3158

 99.1137, 83.1337,
131.9147

 28.4889, 21.1130,
40.8478


 126.6009,
108.1596, 166.5745

 18.8369, 13.2066,
27.8813


158.7511,
137.7627, 206.8285

 11.6558, 7.5710,
17.9980

195.9297,
172.3272, 253.0954

 6.5803, 3.8217,
10.7791

238.5022,
212.2376, 305.7936

 3.2450, 1.5743,
5.8062

286.8338,

 1.2846, 0.3402,

257.8783, 365.3417

2.6607

341.2899,
309.6337, 432.1583

■ 0.1717, 0.0000,
0.9236

■ 0.0000, 0.0000,
0.0000

■ 56.6673, 45.2755,
77.7039

■ 56.6673, 45.2755,
77.7039

■ 53.1220, 38.3332,
76.5514

■ 60.9212, 53.6329,
79.0935

■ 50.2418, 32.7217,
75.6201

■ 65.9156, 63.4718,
80.7294

■ 47.9850, 28.3568,
74.8965

■ 71.6855, 74.8616,
82.6237

■ 46.3037, 25.1426,
74.3647

■ 78.2626, 87.8656,
84.7871

45.1428, 22.9688,
74.0063

81.0448, 93.2794,
85.6854

44.4365, 21.7041,
73.7995

81.1465, 93.3318,
85.6902

44.0894, 21.1431,
73.7095

81.2484, 93.3843,
85.6949

81.3504, 93.4369,
85.6997

81.4526, 93.4896,
85.7045

Harmonies

Analogous

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



49.8807, 45.2755, 99.0711



56.6673, 45.2755, 77.7039



59.8077, 45.2755, 52.5827

Triad

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



56.6673, 45.2755, 77.7039



44.1654, 45.2755, 17.6500



30.8740, 45.2755, 70.4033

Complementary

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



56.6673, 45.2755, 77.7039



47.1033, 63.9623, 41.3181

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.



29.7307, 45.2755, 46.1517



56.6673, 45.2755, 77.7039



36.8426, 45.2755, 19.8192

Square

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



56.6673, 45.2755, 77.7039



52.0571, 45.2755, 21.6225



31.7824, 45.2755, 28.8254



35.1172, 45.2755, 94.0389

Rectangle

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



56.6673, 45.2755, 77.7039



59.1637, 45.2755, 38.5463



31.7824, 45.2755, 28.8254



30.1381, 45.2755, 61.8817

Sweetspot

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



56.6687, 45.2775, 77.7049



88.0402, 86.1593, 106.5979



39.5249, 36.7316, 76.9589



18.6188, 17.9970, 22.7424



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.



56.6687, 45.2775, 77.7049



71.4799, 53.5930, 101.1848



52.7869, 43.7609, 55.6323



14.2747, 13.9251, 17.3231



25.1621, 12.0668, 42.0513



1.7504, 0.8397, 2.9151

Inverse Universe

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



49.3398, 42.3820, 37.4804



60.4451, 49.2361, 40.4988



50.1843, 65.1722, 58.5560



13.7151, 13.7037, 14.2702



17.9070, 9.2298, 0.9099



1.2440, 0.6409, 0.0780

Previews

White Background



This preview shows how the XYZ color 56.6673, 45.2755, 77.7039 looks on a white background.

Color Contrast Check

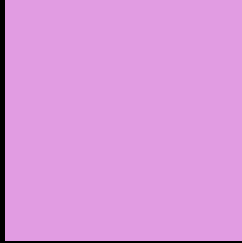
Large Text (above 18pt) WCAG AA × Fail

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 56.6673, 45.2755, 77.7039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

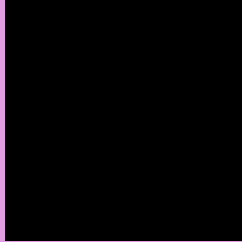
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6673, 45.2755, 77.7039

Background



This preview shows how black text looks on a background with the XYZ color 56.6673, 45.2755, 77.7039.



This preview shows how white text looks on a background with the XYZ color 56.6673, 45.2755,

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

56.6673, 45.2755, 77.7039

Protanopia

46.4471, 45.4322, 90.3257

Deuteranopia

46.6146, 45.5547, 75.4433



Tritanopia

50.7044, 45.1847, 48.1686

Trichromacy



Original Color

56.6673, 45.2755, 77.7039



Protanomaly

49.0955, 44.6224, 85.3823



Deuteranomaly

49.7554, 45.1730, 75.9089



Tritanomaly

52.5895, 45.1529, 57.5734

Monochromacy



Original Color

56.6673, 45.2755, 77.7039



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.3808, 46.7216, 61.0591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6673, 45.2755, 77.7039 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, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 156, 226)  
}
```

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, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 156, 226) }
```

Border

The CSS property to change the border of an element to XYZ 56.6673, 45.2755, 77.7039 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, 156, 226) }
```


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

```
.border{ border-color:rgb(225, 156, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 156, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 156, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 156,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6673, 45.2755, 77.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 156, 226) }
```

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

```
.background{ background-color: rgb(225,  
156, 226) }
```

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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