

Converting Colors

XYZ(39.8286, 27.7028, 45.5740)

Have a look what the booklet for
XYZ(39.8286, 27.7028, 45.5740)
contains.

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Color

**XYZ(39.7990, 27.7069,
45.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	D16DB2
RGB	209, 109, 178
RGB Percent	82%, 43%, 70%
CMY	0.1804, 0.5725, 0.3020
CMYK	0.00, 0.48, 0.15, 0.18
HSL	319°, 52%, 62%
HSV	319°, 48%, 82%
XYZ	39.7990, 27.7069, 45.3698
YIQ	146.7660, 37.4510, 42.6590

Conversions

Conversions Part 2

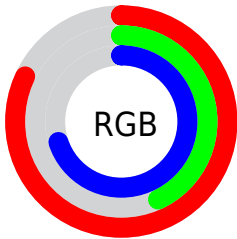
Format	Color
R _Y B	209, 109, 178
Decimal	13725106
CIE Lab	59.62, 48.10, -19.00
CIE LCh	60, 51.720, 338.450
Yxy	27.7069, 0.3526, 0.2455
Android (android.graphics.Color)	4291915186 (0xFFD16DB2)
YUV	146.7660, 15.3984, 54.5792
Hunter-Lab	52.6373, 42.8482, -14.2578

Details

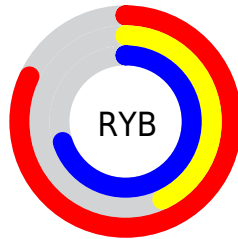
The XYZ color **39.7990, 27.7069, 45.3698** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.8420, 50.7465, 32.8244**, and the grayscale version is **27.5650, 29.0006, 31.5816**.

A 20% lighter version of the original color is **69.1885, 53.3949, 84.5015**, and **18.0647, 10.9844, 20.5701** is the 20% darker color. If you saturate the color by 10%, you get **37.1936, 23.5124, 41.3671**, and if you desaturate by 10%, it is **42.9669, 32.9764, 49.7121**.

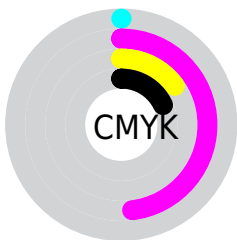
Distribution



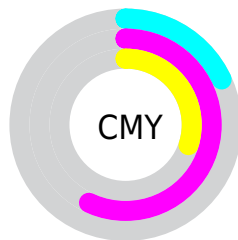
- Red (82%)
- Green (43%)
- Blue (70%)



- Red (82%)
- Yellow (43%)
- Blue (70%)



- Cyan (0%)
- Magenta (48%)
- Yellow (15%)
- Black (18%)





- Cyan (18%)
- Magenta (57%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7990, 27.7069, 45.3698 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 39.7990, 27.7069, 45.3698 by changing the saturation by 10% instead.


 39.7990, 27.7069,
45.3698


 39.7990, 27.7069,
45.3698

336.4246,
291.0637, 384.4729

 27.5654, 18.1048,
31.4037


 74.1436, 56.0162,
84.5994


 18.1371, 11.0253,
20.6454


 96.9853, 75.4921,
110.7000

 11.1487, 6.0838,
12.6764


 124.0938, 99.0282,
141.6825

 6.2350, 2.8961,
7.0780

 155.8343,
127.0087, 177.9655

 3.0305, 1.0777,
3.4317

192.5724,
159.8182, 219.9675

 1.1699, 0.0000,
1.3191

234.6732,

 0.0824, 0.0000,

197.8409, 268.1070

0.0773

282.5021,
241.4613, 322.8027

■ 0.0000, 0.0000,
0.0000

■ 39.7990, 27.7069,
45.3698

■ 39.7990, 27.7069,
45.3698

■ 37.1936, 23.5124,
41.3671

■ 42.9669, 32.9764,
49.7121

■ 35.1094, 20.3123,
37.6875

■ 46.7295, 39.3859,
54.4061

■ 33.5038, 18.0214,
34.3149


■ 51.1196, 46.9999,
59.4648


■ 32.3254, 16.5379,
31.2299


■ 56.1669, 55.8769,
64.9002


■ 31.5011, 15.7162,
28.4061


■ 61.8988, 66.0717,
70.7233

 31.3446, 15.5754,
27.8230

 68.3415, 77.6357,
76.9448

 75.4221, 90.4224,
83.5421

 76.3145, 90.7793,
88.2417

 77.2408, 91.1499,
93.1195

Harmonies

Analogous

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



34.9238, 27.7069, 67.9226



39.7990, 27.7069, 45.3698



40.7818, 27.7069, 25.1944

Triad

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



39.7990, 27.7069, 45.3698



24.5352, 27.7069, 6.7682



17.6868, 27.7069, 58.4512

Complementary

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



39.7990, 27.7069, 45.3698



33.8420, 50.7465, 32.8244

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.



15.7794, 27.7069, 35.7568



39.7990, 27.7069, 45.3698



19.2835, 27.7069, 9.8822

Square

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



39.7990, 27.7069, 45.3698



31.2127, 27.7069, 7.5815



16.3114, 27.7069, 18.8092



21.9932, 27.7069, 77.3935

Rectangle

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



39.7990, 27.7069, 45.3698



38.9653, 27.7069, 16.0939



16.3114, 27.7069, 18.8092



16.7791, 27.7069, 50.7061

Sweetspot

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



39.7999, 27.7082, 45.3704



82.9687, 78.6073, 96.3340



27.6260, 21.0312, 62.9255



17.4008, 16.1976, 20.2280



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.



39.7999, 27.7082, 45.3704



58.4035, 36.9866, 64.9940



35.7267, 26.0789, 23.9211



12.1483, 11.9440, 14.0565



19.3720, 9.6216, 17.3971



1.1179, 0.5519, 1.1557

Inverse Universe

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



39.7999, 27.7082, 45.3704



58.4035, 36.9866, 64.9940



38.2935, 52.5270, 56.2655



12.1483, 11.9440, 14.0565



19.3720, 9.6216, 17.3971



1.1179, 0.5519, 1.1557

Previews

White Background



This preview shows how the XYZ color 39.7990, 27.7069, 45.3698 looks on a white background.

Color Contrast Check

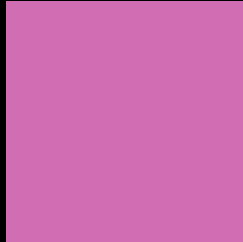
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7990, 27.7069, 45.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

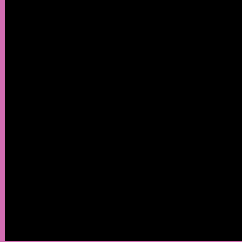
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7990, 27.7069, 45.3698

Background



This preview shows how black text looks on a background with the XYZ color 39.7990, 27.7069, 45.3698.



This preview shows how white text looks on a background with the XYZ color 39.7990, 27.7069,

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

39.7990, 27.7069, 45.3698

Protanopia

28.9379, 28.0459, 59.7653

Deuteranopia

28.5693, 27.9962, 43.4332



Tritanopia

35.5146, 27.8288, 23.9218

Trichromacy



Original Color

39.7990, 27.7069, 45.3698

Protanomaly

31.3186, 26.8834, 53.9904

Deuteranomaly

31.7366, 27.1205, 44.1195

Tritanomaly

36.8873, 27.6879, 30.5943

Monochromacy



Original Color

39.7990, 27.7069, 45.3698

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.1366, 27.7897, 36.0706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7990, 27.7069, 45.3698 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(209, 109, 178)` looks like.

```
.text, #text, p{  
    color:rgb(209, 109, 178)  
}
```

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(209, 109, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 109, 178) }
```

Border

The CSS property to change the border of an element to XYZ 39.7990, 27.7069, 45.3698 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(209, 109, 178) }
```


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

```
.border{ border-color:rgb(209, 109, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 109, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 109, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 109, 178);  
box-shadow:4px 4px 4px 4px rgb(209, 109,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7990, 27.7069, 45.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 109, 178) }
```

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

```
.background{ background-color: rgb(209,  
109, 178) }
```

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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