

Converting Colors

XYZ(45.5133, 27.0277, 73.5687)

Have a look what the booklet for
XYZ(45.5133, 27.0277, 73.5687)
contains.

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Color

**XYZ(45.5595, 27.1130,
73.3531)**

Conversions

Conversions Part 1

Format	Color
Hex	D958E0
RGB	217, 88, 224
RGB Percent	85%, 35%, 88%
CMY	0.1490, 0.6549, 0.1216
CMYK	0.03, 0.61, 0.00, 0.12
HSL	297°, 69%, 61%
HSV	297°, 61%, 88%
XYZ	45.5595, 27.1130, 73.3531
YIQ	142.0750, 33.2280, 69.6440

Conversions

Conversions Part 2

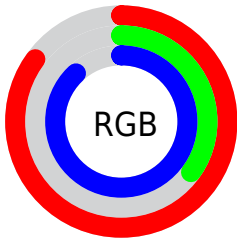
Format	Color
R _Y B	217, 88, 224
Decimal	14244064
CIE Lab	59.08, 67.69, -45.88
CIE LCh	59, 81.775, 325.870
Yxy	27.1130, 0.3120, 0.1857
Android (android.graphics.Color)	4292434144 (0xFFD958E0)
YUV	142.0750, 40.3890, 65.7092
Hunter-Lab	52.0701, 65.0583, -47.0749

Details

The XYZ color **45.5595, 27.1130, 73.3531** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **33.1374, 56.4495, 18.3831**, and the grayscale version is **25.5781, 26.9102, 29.3052**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **21.6341, 10.7344, 37.9775** is the 20% darker color. If you saturate the color by 10%, you get **43.6541, 23.8083, 72.8160**, and if you desaturate by 10%, it is **48.0341, 31.5508, 74.0796**.

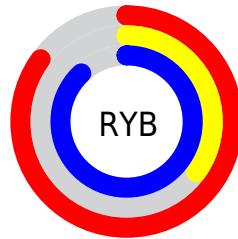
Distribution



Red (85%)

Green (35%)

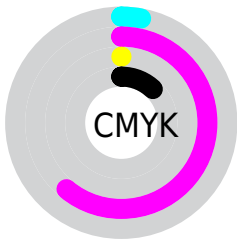
Blue (88%)



Red (85%)

Yellow (35%)

Blue (88%)

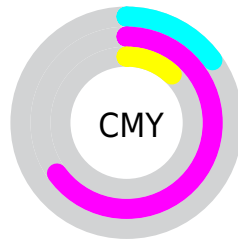


Cyan (3%)

Magenta (61%)

Yellow (0%)

Black (12%)



Cyan (15%)


Magenta (65%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5595, 27.1130, 73.3531 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 45.5595, 27.1130, 73.3531 by changing the saturation by 10% instead.


 45.5595, 27.1130,
73.3531


 45.5595, 27.1130,
73.3531

359.7805,
288.2038, 491.3412


 32.1015, 17.6581,
53.7712


 82.7913, 55.0651,
125.7039

 21.5950, 10.7048,
38.0268


 107.2958, 74.3312,
159.3099

 13.6745, 5.8687,
25.7015


 136.2131, 97.6364,
198.4276

 7.9748, 2.7654,
16.3767

 169.9087,
125.3652, 243.4756

 4.1305, 1.0105,
9.6339

208.7479,
157.9019, 294.8724

 1.7762, 0.0000,
5.0545

253.0960,

 0.5033, 0.0000,

195.6310, 353.0366

2.2200

303.3185,
238.9368, 418.3867

■ 0.0000, 0.0000,
0.6859

■ 0.0000, 0.0000,
0.0000

■ 45.5595, 27.1130,
73.3531

■ 45.5595, 27.1130,
73.3531

■ 43.6541, 23.8083,
72.8160

■ 48.0341, 31.5508,
74.0796

■ 42.2610, 21.5257,
72.4489


■ 51.1215, 37.2116,
75.0096


■ 41.3175, 20.1385,
72.2308


■ 54.8649, 44.1807,
76.1574


■ 40.7423, 19.4491,
72.1281


■ 59.3025, 52.5347,
77.5360

 64.4696, 62.3441,
79.1571

 70.3992, 73.6748,
81.0316

 77.1221, 86.5886,
83.1699

 80.6490, 93.1069,
84.2422

 81.0123, 93.2941,
84.2592

Harmonies

Analogous

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



35.2686, 27.1130, 113.9000



45.5595, 27.1130, 73.3531



50.5785, 27.1130, 33.7365

Triad

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



45.5595, 27.1130, 73.3531



27.2026, 27.1130, 1.4943



11.8860, 27.1130, 61.2815

Complementary

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



45.5595, 27.1130, 73.3531



33.1374, 56.4495, 18.3831

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.



10.7835, 27.1130, 25.6730



45.5595, 27.1130, 73.3531



18.1513, 27.1130, 2.3731

Square

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



45.5595, 27.1130, 73.3531



38.3583, 27.1130, 3.2055



12.7457, 27.1130, 7.9423



16.2898, 27.1130, 104.2737

Rectangle

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



45.5595, 27.1130, 73.3531



49.4985, 27.1130, 16.7125



12.7457, 27.1130, 7.9423



11.1764, 27.1130, 47.6167

Sweetspot

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



45.5605, 27.1142, 73.3537



81.2512, 73.6847, 104.5479



21.7611, 16.0196, 72.4666



16.9805, 14.9945, 22.2492



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.



45.5605, 27.1142, 73.3537



57.9716, 30.9458, 97.5254



41.0287, 25.5470, 38.3991



14.2217, 13.8978, 17.3207



23.7456, 11.3366, 41.9850



1.6676, 0.7970, 2.9112

Inverse Universe

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



36.2967, 23.6541, 13.4804



44.7495, 26.0541, 9.9593



35.9424, 57.4912, 36.7804



13.7357, 13.7119, 14.3783



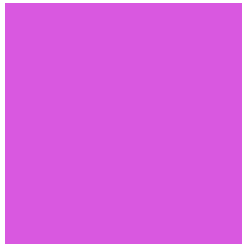
17.9428, 9.2441, 1.0986



1.2539, 0.6448, 0.1300

Previews

White Background



This preview shows how the XYZ color 45.5595, 27.1130, 73.3531 looks on a white background.

Color Contrast Check

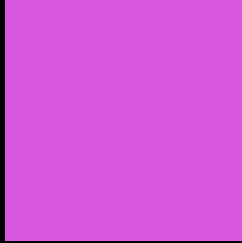
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5595, 27.1130, 73.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

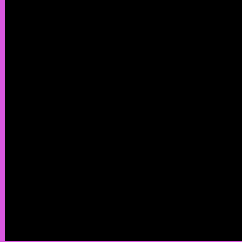
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.5595, 27.1130, 73.3531

Background



This preview shows how black text looks on a background with the XYZ color 45.5595, 27.1130, 73.3531.



This preview shows how white text looks on a background with the XYZ color 45.5595, 27.1130,

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

45.5595, 27.1130, 73.3531

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.2454, 27.5035, 68.1100



Tritanopia

35.1239, 26.9506, 22.7528

Trichromacy



Original Color

45.5595, 27.1130, 73.3531



Protanomaly

32.8771, 25.0329, 88.6870



Deuteranomaly

31.8272, 25.2769, 69.5311



Tritanomaly

37.8816, 26.4366, 36.8244

Monochromacy



Original Color

45.5595, 27.1130, 73.3531



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

30.7681, 25.3326, 42.2978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5595, 27.1130, 73.3531 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(217, 88, 224)` looks like.

```
.text, #text, p{  
    color:rgb(217, 88, 224)  
}
```

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(217, 88, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 88, 224) }
```

Border

The CSS property to change the border of an element to XYZ 45.5595, 27.1130, 73.3531 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(217, 88, 224) }
```


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

```
.border{ border-color:rgb(217, 88, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 88, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 88, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 88, 224);  
box-shadow:4px 4px 4px 4px rgb(217, 88,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5595, 27.1130, 73.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 88, 224) }
```

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

```
.background{ background-color: rgb(217, 88,  
224) }
```

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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