

Converting Colors

XYZ(45.2724, 23.6541, 79.0739)

Have a look what the booklet for
XYZ(45.2724, 23.6541, 79.0739)
contains.

XYZ(45.2876, 23.6756, 79.2737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.2876, 23.6756,
79.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	DB37E9
RGB	219, 55, 233
RGB Percent	86%, 22%, 91%
CMY	0.1412, 0.7843, 0.0863
CMYK	0.06, 0.76, 0.00, 0.09
HSL	295°, 80%, 56%
HSV	295°, 76%, 91%
XYZ	45.2876, 23.6756, 79.2737
YIQ	124.3280, 40.6060, 90.1260

Conversions

Conversions Part 2

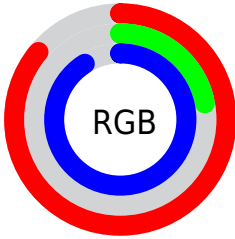
Format	Color
R _Y B	219, 55, 233
Decimal	14366697
CIE Lab	55.76, 81.21, -56.20
CIE LCh	56, 98.757, 325.317
Yxy	23.6756, 0.3055, 0.1597
Android (android.graphics.Color)	4292556777 (0xFFDB37E9)
YUV	124.3280, 53.5753, 83.0273
Hunter-Lab	48.6576, 80.9865, -62.5359

Details

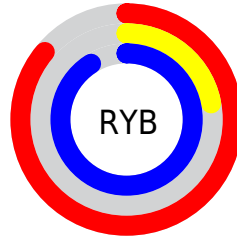
The XYZ color **45.2876, 23.6756, 79.2737** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **32.2834, 59.8194, 13.4601**, and the grayscale version is **19.0863, 20.0803, 21.8675**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **22.1345, 10.5055, 41.9354** is the 20% darker color. If you saturate the color by 10%, you get **43.8824, 21.6782, 78.9626**, and if you desaturate by 10%, it is **47.2227, 26.7219, 79.7601**.

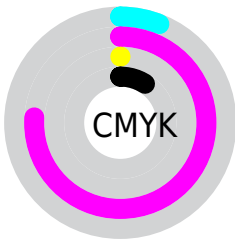
Distribution



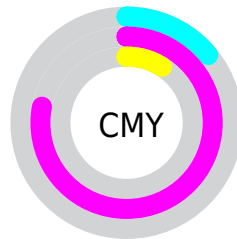
- Red (86%)
- Green (22%)
- Blue (91%)



- Red (86%)
- Yellow (22%)
- Blue (91%)



- Cyan (6%)
- Magenta (76%)
- Yellow (0%)
- Black (9%)





- Cyan (14%)
- Magenta (78%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2876, 23.6756, 79.2737 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 45.2876, 23.6756, 79.2737 by changing the saturation by 10% instead.

 45.2876, 23.6756,
79.2737


 45.2876, 23.6756,
79.2737


358.7012,
271.1763, 512.1238


 31.8863, 15.0932,
58.5982

 82.3862, 49.5003,
134.1463


 21.4298, 8.8848,
41.8719


 106.8142, 67.5114,
169.1804


 13.5528, 4.6661,
28.6762


 135.6485, 89.4341,
209.8379

 7.8899, 2.0527,
18.5925

 169.2544,
115.6528, 256.5372

 4.0758, 0.6378,
11.2024

 207.9972,
146.5520, 309.6969

 1.7451, 0.0000,
6.0873

252.2424,

 0.4842, 0.0000,

182.5161, 369.7356

2.8286

302.3553,
223.9294, 437.0717

■ 0.0000, 0.0000,
1.0078

■ 0.0000, 0.0000,
0.0000

■ 45.2876, 23.6756,
79.2737

■ 45.2876, 23.6756,
79.2737

■ 43.8824, 21.6782,
78.9626

■ 47.2227, 26.7219,
79.7601

■ 42.9227, 20.5639,
78.7981

■ 49.7498, 30.9441,
80.4418

■ 42.6373, 20.2813,
78.7586

■ 52.9254, 36.4542,
81.3380

■ 56.7987, 43.3506,
82.4650

61.4140, 51.7220,
83.8376

66.8121, 61.6496,
85.4693

73.0306, 73.2090,
87.3727

80.1048, 86.4706,
89.5596

84.8924, 95.1496,
90.9825

Harmonies

Analogous

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



33.0357, 23.6756, 131.5228



45.2876, 23.6756, 79.2737



51.5457, 23.6756, 31.1538

Triad

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



45.2876, 23.6756, 79.2737



24.3089, 23.6756, 0.0000



8.1014, 23.6756, 62.2108

Complementary

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



45.2876, 23.6756, 79.2737



32.2834, 59.8194, 13.4601

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.



7.1317, 23.6756, 21.0604



45.2876, 23.6756, 79.2737



14.4870, 23.6756, 0.4802

Square

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



45.2876, 23.6756, 79.2737



37.1310, 23.6756, 1.0461



9.0250, 23.6756, 4.1915



12.3314, 23.6756, 117.1456

Rectangle

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



45.2876, 23.6756, 79.2737



50.3497, 23.6756, 12.6689



9.0250, 23.6756, 4.1915



7.4590, 23.6756, 45.7649

Sweetspot

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



45.2886, 23.6766, 79.2742



77.4323, 67.2536, 103.5079



18.4641, 11.0560, 78.2520



16.0859, 13.5019, 22.0083



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.



45.2886, 23.6766, 79.2742



53.0821, 25.6616, 96.7632



41.2148, 22.5543, 34.9077



15.5911, 15.2500, 19.0441



24.2421, 11.5332, 44.6914



1.9383, 0.9235, 3.5110

Inverse Universe

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



36.0453, 20.4865, 7.6856



41.8610, 21.9200, 3.9312



34.6888, 60.6800, 30.7127



15.1135, 15.0733, 15.8832



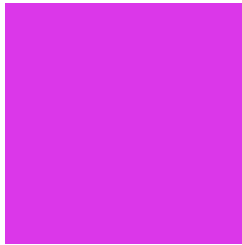
19.1487, 9.8622, 1.3184



1.5204, 0.7811, 0.1916

Previews

White Background



This preview shows how the XYZ color 45.2876, 23.6756, 79.2737 looks on a white background.

Color Contrast Check

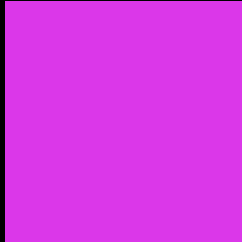
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2876, 23.6756, 79.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

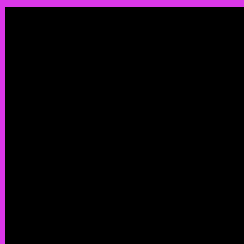
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2876, 23.6756, 79.2737

Background



This preview shows how black text looks on a background with the XYZ color 45.2876, 23.6756, 79.2737.



This preview shows how white text looks on a background with the XYZ color 45.2876, 23.6756,

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

45.2876, 23.6756, 79.2737

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.8570, 24.1681, 71.7614



Tritanopia

32.4135, 23.4442, 17.2848

Trichromacy



Original Color

45.2876, 23.6756, 79.2737



Protanomaly

29.2465, 20.3378, 90.3798



Deuteranomaly

27.7979, 20.4114, 73.7089



Tritanomaly

35.3757, 22.3854, 33.0282

Monochromacy



Original Color

45.2876, 23.6756, 79.2737



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.4608, 18.9749, 37.4426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2876, 23.6756, 79.2737 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(219, 55, 233)` looks like.

```
.text, #text, p{  
    color:rgb(219, 55, 233)  
}
```

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(219, 55, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 55, 233) }
```

Border

The CSS property to change the border of an element to XYZ 45.2876, 23.6756, 79.2737 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(219, 55, 233) }
```


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

```
.border{ border-color:rgb(219, 55, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 55, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 55, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 55, 233);  
box-shadow:4px 4px 4px 4px rgb(219, 55,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2876, 23.6756, 79.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 55, 233) }
```

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

```
.background{ background-color: rgb(219, 55,  
233) }
```

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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