

Converting Colors

XYZ(45.6903, 23.5875, 68.6321)

Have a look what the booklet for
XYZ(45.6903, 23.5875, 68.6321)
contains.

XYZ(45.6663, 23.5890, 68.4759)	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(45.6663, 23.5890,
68.4759)**

Conversions

Conversions Part 1

Format	Color
Hex	E42FDA
RGB	228, 47, 218
RGB Percent	89%, 18%, 85%
CMY	0.1059, 0.8156, 0.1451
CMYK	0.00, 0.79, 0.04, 0.11
HSL	303°, 77%, 54%
HSV	303°, 79%, 89%
XYZ	45.6663, 23.5890, 68.4759
YIQ	120.6130, 52.9850, 91.5530

Conversions

Conversions Part 2

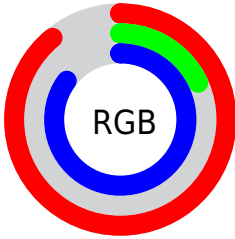
Format	Color
R _Y B	228, 47, 218
Decimal	14954458
CIE Lab	55.67, 82.67, -47.78
CIE LCh	56, 95.485, 329.976
Yxy	23.5890, 0.3316, 0.1713
Android (android.graphics.Color)	4293144538 (0xFFE42FDA)
YUV	120.6130, 48.0118, 94.1784
Hunter-Lab	48.5685, 82.8389, -49.5940

Details

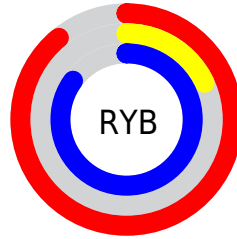
The XYZ color **45.6663, 23.5890, 68.4759** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.6554, 56.3876, 13.1934**, and the grayscale version is **17.8899, 18.8216, 20.4967**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **22.6700, 10.9335, 35.0979** is the 20% darker color. If you saturate the color by 10%, you get **44.8169, 22.1525, 67.3826**, and if you desaturate by 10%, it is **46.9942, 25.9792, 69.7352**.

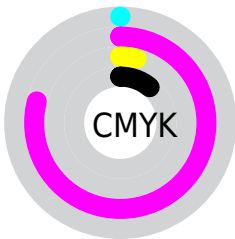
Distribution



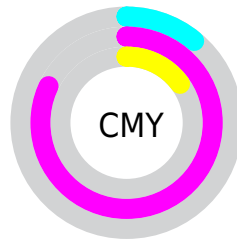
- Red (89%)
- Green (18%)
- Blue (85%)



- Red (89%)
- Yellow (18%)
- Blue (85%)



- Cyan (0%)
- Magenta (79%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (82%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6663, 23.5890, 68.4759 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 45.6663, 23.5890, 68.4759 by changing the saturation by 10% instead.

 45.6663, 23.5890,
68.4759


 45.6663, 23.5890,
68.4759

360.2039,
270.7360, 473.8241


 32.1861, 15.0290,
49.8159

 82.9503, 49.3587,
118.6933


 21.6599, 8.8398,
34.8970


 107.4848, 67.3372,
151.0878

 13.7224, 4.6368,
23.3006


 136.4347, 89.2239,
188.8976

 8.0083, 2.0358,
14.6082

 170.1655,
115.4034, 232.5412

 4.1521, 0.6281,
8.4014

 209.0424,
146.2599, 282.4370

 1.7885, 0.0000,
4.2614

253.4309,

 0.5107, 0.0000,

182.1779, 339.0038

1.7698

303.6963,
223.5418, 402.6600

■ 0.0000, 0.0000,
0.4079

■ 0.0000, 0.0000,
0.0000

■ 45.6663, 23.5890,
68.4759

■ 45.6663, 23.5890,
68.4759

■ 44.8169, 22.1525,
67.3826

■ 46.9942, 25.9792,
69.7352

■ 44.3382, 21.4559,
66.4188

■ 48.8629, 29.4498,
71.1809

■ 44.3128, 21.4212,
66.3608

■ 51.3284, 34.1120,
72.8317

■ 54.4389, 40.0619,
74.7036

■ 58.2375, 47.3863,
76.8113

■ 62.7639, 56.1641,
79.1677

■ 68.0545, 66.4684,
81.7852

■ 74.1435, 78.3673,
84.6750

■ 81.0628, 91.9248,
87.8480

Harmonies

Analogous

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



34.4942, 23.5890, 119.4782



45.6663, 23.5890, 68.4759



50.2966, 23.5890, 25.7089

Triad

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



45.6663, 23.5890, 68.4759



22.4292, 23.5890, 0.0353



8.8037, 23.5890, 68.3945

Complementary

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



45.6663, 23.5890, 68.4759



29.6554, 56.3876, 13.1934

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.



7.3951, 23.5890, 25.6600



45.6663, 23.5890, 68.4759



13.5551, 23.5890, 0.9283

Square

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



45.6663, 23.5890, 68.4759



34.5140, 23.5890, 0.9310



8.8083, 23.5890, 5.9275



13.5445, 23.5890, 119.4100

Rectangle

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



45.6663, 23.5890, 68.4759



48.1835, 23.5890, 10.2411



8.8083, 23.5890, 5.9275



8.0084, 23.5890, 51.8662

Sweetspot

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



45.6672, 23.5901, 68.4764



77.9975, 66.7587, 100.5535



16.6550, 8.4780, 74.1582



16.2586, 13.4441, 21.2935



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.



45.6672, 23.5901, 68.4764



57.3499, 27.9291, 86.0691



36.9387, 20.0987, 22.5127



14.9589, 14.6008, 17.9840



25.6024, 12.3752, 38.3968



1.9025, 0.9187, 2.8931

Inverse Universe

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



45.6672, 23.5901, 68.4764



57.3499, 27.9291, 86.0691



34.1482, 58.1847, 36.8524



14.9589, 14.6008, 17.9840



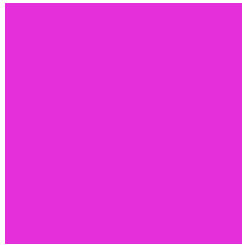
25.6024, 12.3752, 38.3968



1.9025, 0.9187, 2.8931

Previews

White Background



This preview shows how the XYZ color 45.6663, 23.5890, 68.4759 looks on a white background.

Color Contrast Check

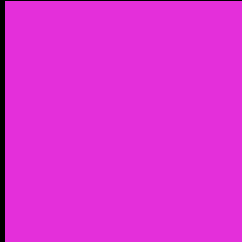
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6663, 23.5890, 68.4759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

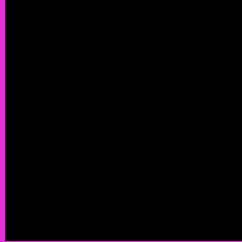
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.6663, 23.5890, 68.4759

Background



This preview shows how black text looks on a background with the XYZ color 45.6663, 23.5890, 68.4759.



This preview shows how white text looks on a background with the XYZ color 45.6663, 23.5890,

68.4759.

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

45.6663, 23.5890, 68.4759

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.4579, 23.7727, 61.6920



Tritanopia

34.6219, 23.5244, 14.7725

Trichromacy



Original Color

45.6663, 23.5890, 68.4759



Protanomaly

28.6102, 19.6627, 86.2918



Deuteranomaly

28.0613, 20.1756, 63.3881



Tritanomaly

37.1270, 22.5066, 28.3740

Monochromacy



Original Color

45.6663, 23.5890, 68.4759



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

24.5007, 17.8793, 33.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6663, 23.5890, 68.4759 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(228, 47, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 47, 218)  
}
```

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(228, 47, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 47, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.6663, 23.5890, 68.4759 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(228, 47, 218) }
```


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

```
.border{ border-color:rgb(228, 47, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 47, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 47, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 47, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 47,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6663, 23.5890, 68.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 47, 218) }
```

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

```
.background{ background-color: rgb(228, 47,  
218) }
```

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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