

Converting Colors

XYZ(45.3492, 23.1571, 56.7248)

Have a look what the booklet for
XYZ(45.3492, 23.1571, 56.7248)
contains.

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Color

**XYZ(45.3478, 23.1554,
56.7229)**

Conversions

Conversions Part 1

Format	Color
Hex	EB25C8
RGB	235, 37, 200
RGB Percent	92%, 15%, 78%
CMY	0.0784, 0.8548, 0.2157
CMYK	0.00, 0.84, 0.15, 0.08
HSL	311°, 83%, 53%
HSV	311°, 84%, 92%
XYZ	45.3478, 23.1554, 56.7229
YIQ	114.7840, 65.6850, 92.6690

Conversions

Conversions Part 2

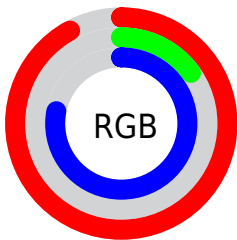
Format	Color
R _Y B	235, 37, 200
Decimal	15410632
CIE Lab	55.23, 83.66, -38.11
CIE LCh	55, 91.937, 335.508
Yxy	23.1554, 0.3621, 0.1849
Android (android.graphics.Color)	4293600712 (0xFFEB25C8)
YUV	114.7840, 42.0115, 105.4294
Hunter-Lab	48.1201, 84.0063, -36.2057

Details

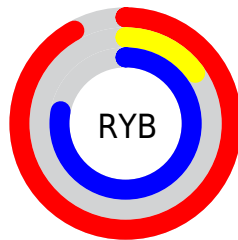
The XYZ color **45.3478, 23.1554, 56.7229** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **31.6423, 60.2788, 16.1009**, and the grayscale version is **16.0960, 16.9343, 18.4414**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **22.7900, 11.1583, 27.7407** is the 20% darker color. If you saturate the color by 10%, you get **44.3581, 21.9420, 54.0300**, and if you desaturate by 10%, it is **46.8219, 25.3154, 59.6427**.

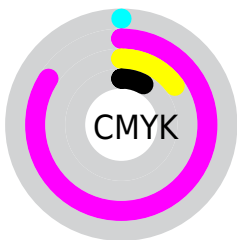
Distribution



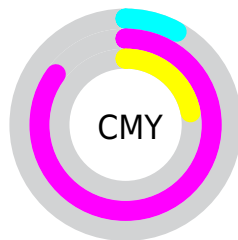
- Red (92%)
- Green (15%)
- Blue (78%)



- Red (92%)
- Yellow (15%)
- Blue (78%)



- Cyan (0%)
- Magenta (84%)
- Yellow (15%)
- Black (8%)





- Cyan (8%)
- Magenta (85%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3478, 23.1554, 56.7229 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 45.3478, 23.1554, 56.7229 by changing the saturation by 10% instead.

 45.3478, 23.1554,
56.7229

 45.3478, 23.1554,
56.7229

358.9404,
268.5222, 429.8748

 31.9339, 14.7083,
40.3749

 82.4759, 48.6484,
101.5571

 21.4663, 8.6149,
27.5150


 106.9209, 66.4630,
130.8803


 13.5797, 4.4909,
17.7245


 135.7736, 88.1690,
165.3658

 7.9087, 1.9518,
10.5850

 169.3993,
114.1506, 205.4320

 4.0879, 0.5792,
5.6779

 208.1635,
144.7924, 251.4974

 1.7520, 0.0000,
2.5846

252.4316,

 0.4885, 0.0000,

180.4786, 303.9807

0.8845

302.5687,
221.5938, 363.3003

■ 0.0000, 0.0000,
0.0000

■ 45.3478, 23.1554,
56.7229

■ 45.3478, 23.1554,
56.7229

■ 44.3581, 21.9420,
54.0300

■ 46.8219, 25.3154,
59.6427

■ 43.9378, 21.5330,
52.5600

■ 48.8560, 28.5747,
62.8146

■ 51.5151, 33.0625,
66.2610

■ 54.8544, 38.8892,
70.0007

■ 58.9230, 46.1527,
74.0505

63.7655, 54.9419,
78.4259

69.4227, 65.3385,
83.1409

75.9326, 77.4184,
88.2086

83.3308, 91.2525,
93.6414

Harmonies

Analogous

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



35.6045, 23.1554, 105.0950



45.3478, 23.1554, 56.7229



48.1357, 23.1554, 20.1584

Triad

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



45.3478, 23.1554, 56.7229



20.1647, 23.1554, 0.2598



9.5189, 23.1554, 74.4703

Complementary

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



45.3478, 23.1554, 56.7229



31.6423, 60.2788, 16.1009

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.



7.6121, 23.1554, 31.0473



45.3478, 23.1554, 56.7229



12.4068, 23.1554, 1.5028

Square

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



45.3478, 23.1554, 56.7229



31.2640, 23.1554, 0.8084



8.4743, 23.1554, 8.2704



14.7878, 23.1554, 119.8104

Rectangle

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



45.3478, 23.1554, 56.7229



45.1081, 23.1554, 7.8448



8.4743, 23.1554, 8.2704



8.5530, 23.1554, 58.3009

Sweetspot

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



45.3486, 23.1566, 56.7233



76.2135, 65.1460, 93.9308



18.1843, 8.6249, 79.3042



15.8554, 13.1110, 19.7001



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.



45.3486, 23.1566, 56.7233



52.8629, 25.9092, 63.1355



37.3720, 19.9659, 14.7189



15.5939, 15.2654, 18.4127



24.4961, 12.0011, 29.4773



1.9535, 0.9544, 2.4723

Inverse Universe

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



45.3486, 23.1566, 56.7233



52.8629, 25.9092, 63.1355



37.6340, 62.6755, 47.6530



15.5939, 15.2654, 18.4127



24.4961, 12.0011, 29.4773



1.9535, 0.9544, 2.4723

Previews

White Background



This preview shows how the XYZ color 45.3478, 23.1554, 56.7229 looks on a white background.

Color Contrast Check

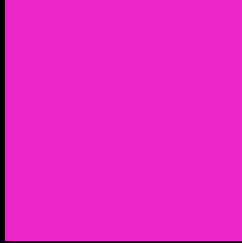
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3478, 23.1554, 56.7229 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 45.3478, 23.1554, 56.7229

Background



This preview shows how black text looks on a background with the XYZ color 45.3478, 23.1554, 56.7229.



This preview shows how white text looks on a background with the XYZ color 45.3478, 23.1554,

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

45.3478, 23.1554, 56.7229

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

23.8755, 23.3082, 50.8175



Tritanopia

36.0248, 23.0695, 12.0053

Trichromacy



Original Color

45.3478, 23.1554, 56.7229



Protanomaly

27.3466, 18.5749, 80.7412



Deuteranomaly

27.6937, 19.5233, 52.1779



Tritanomaly

38.2827, 22.2573, 23.0472

Monochromacy



Original Color

45.3478, 23.1554, 56.7229



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

22.8946, 16.2626, 29.1265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3478, 23.1554, 56.7229 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(235, 37, 200)` looks like.

```
.text, #text, p{  
    color:rgb(235, 37, 200)  
}
```

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(235, 37, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 37, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.3478, 23.1554, 56.7229 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(235, 37, 200) }
```


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

```
.border{ border-color:rgb(235, 37, 200) }
```

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

Here you see how a box with a 4 pixel rgb(235, 37, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 37, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 37, 200);  
box-shadow:4px 4px 4px 4px rgb(235, 37,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3478, 23.1554, 56.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 37, 200) }
```

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

```
.background{ background-color: rgb(235, 37,  
200) }
```

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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