

Converting Colors

XYZ(45.2368, 25.9610, 53.1317)

Have a look what the booklet for
XYZ(45.2368, 25.9610, 53.1317)
contains.

XYZ(45.0967, 25.8713, 53.0689)	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(45.0967, 25.8713,
53.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	E74BC1
RGB	231, 75, 193
RGB Percent	91%, 29%, 76%
CMY	0.0941, 0.7059, 0.2431
CMYK	0.00, 0.68, 0.16, 0.09
HSL	315°, 76%, 60%
HSV	315°, 68%, 91%
XYZ	45.0967, 25.8713, 53.0689
YIQ	135.0960, 55.0980, 69.7700

Conversions

Conversions Part 2

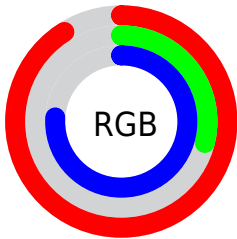
Format	Color
R _Y B	231, 75, 193
Decimal	15158209
CIE Lab	57.91, 71.38, -29.96
CIE LCh	58, 77.410, 337.234
Yxy	25.8713, 0.3636, 0.2086
Android (android.graphics.Color)	4293348289 (0xFFE74BC1)
YUV	135.0960, 28.5467, 84.1078
Hunter-Lab	50.8638, 69.2493, -26.2557

Details

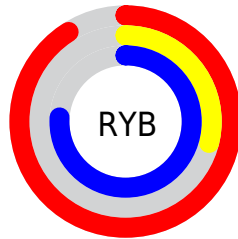
The XYZ color **45.0967, 25.8713, 53.0689** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **34.4595, 59.8409, 25.3595**, and the grayscale version is **22.9492, 24.1443, 26.2932**.

A 20% lighter version of the original color is **67.0204, 45.2123, 95.6370**, and **21.6735, 10.6347, 25.3365** is the 20% darker color. If you saturate the color by 10%, you get **43.1888, 23.0407, 49.3945**, and if you desaturate by 10%, it is **47.5987, 29.8509, 57.0596**.

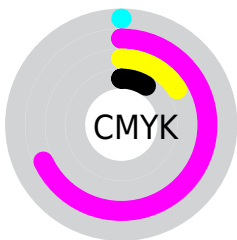
Distribution



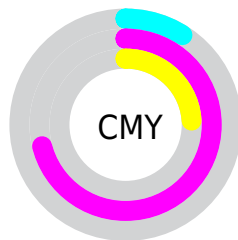
- Red (91%)
- Green (29%)
- Blue (76%)



- Red (91%)
- Yellow (29%)
- Blue (76%)



- Cyan (0%)
- Magenta (68%)
- Yellow (16%)
- Black (9%)




- Cyan (9%)
- Magenta (71%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0967, 25.8713, 53.0689 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 45.0967, 25.8713, 53.0689 by changing the saturation by 10% instead.


 45.0967, 25.8713,
53.0689

 45.0967, 25.8713,
53.0689

357.9422,
282.1497, 415.6232


 31.7352, 16.7274,
37.4697


 82.1017, 53.0672,
96.1483


 21.3139, 10.0403,
25.2727


 106.4759, 71.8881,
124.4656

 13.4674, 5.4257,
16.0595


 135.2517, 94.7033,
157.8593

 7.8304, 2.4991,
9.4114

 168.7944,
121.8974, 196.7480

 4.0375, 0.8762,
4.9101

 207.4695,
153.8547, 241.5502

 1.7234, 0.0000,
2.1368

251.6422,

 0.4708, 0.0000,

190.9595, 292.6844

0.6375

301.6780,
233.5964, 350.5692

■ 0.0000, 0.0000,
0.0000

■ 45.0967, 25.8713,
53.0689

■ 45.0967, 25.8713,
53.0689

■ 43.1888, 23.0407,
49.3945

■ 47.5987, 29.8509,
57.0596

■ 41.8072, 21.2253,
46.0119

■ 50.7476, 35.0864,
61.3849


■ 40.8654, 20.2523,
42.8912


■ 54.5935, 41.6764,
66.0628

■ 40.6664, 20.0735,
42.1489


■ 59.1802, 49.7089,
71.1094

■ 64.5484, 59.2644,
76.5393

 70.7354, 70.4173,
82.3661

 77.7763, 83.2373,
88.6028

 84.1506, 94.6832,
94.7436

 84.9906, 95.0192,
99.1672

Harmonies

Analogous

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



37.1076, 25.8713, 91.9907



45.0967, 25.8713, 53.0689



47.0014, 25.8713, 22.1876

Triad

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



45.0967, 25.8713, 53.0689



22.4013, 25.8713, 1.7680



12.9020, 25.8713, 72.0432

Complementary

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



45.0967, 25.8713, 53.0689



34.4595, 59.8409, 25.3595

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.



10.7503, 25.8713, 35.1401



45.0967, 25.8713, 53.0689



15.2610, 25.8713, 3.8788

Square

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



45.0967, 25.8713, 53.0689



32.1985, 25.8713, 2.3979



11.4887, 25.8713, 12.6085



18.2856, 25.8713, 106.9641

Rectangle

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



45.0967, 25.8713, 53.0689



44.2178, 25.8713, 10.6033



11.4887, 25.8713, 12.6085



11.8480, 25.8713, 58.7952

Sweetspot

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



45.0976, 25.8726, 53.0694



78.9466, 70.8912, 93.9813



23.5473, 14.2088, 77.1033



16.4855, 14.4386, 19.7019



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.



45.0976, 25.8726, 53.0694



53.2968, 27.8034, 60.1153



38.6596, 23.2974, 19.1677



14.8372, 14.5520, 17.3428



22.8494, 11.2740, 23.8997



1.7245, 0.8475, 1.9555

Inverse Universe

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



45.0976, 25.8726, 53.0694



53.2968, 27.8034, 60.1153



40.7075, 62.3401, 58.2609



14.8372, 14.5520, 17.3428



22.8494, 11.2740, 23.8997



1.7245, 0.8475, 1.9555

Previews

White Background



This preview shows how the XYZ color 45.0967, 25.8713, 53.0689 looks on a white background.

Color Contrast Check

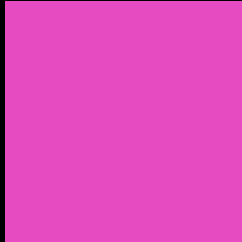
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.0967, 25.8713, 53.0689 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 45.0967, 25.8713, 53.0689

Background



This preview shows how black text looks on a background with the XYZ color 45.0967, 25.8713, 53.0689.



This preview shows how white text looks on a background with the XYZ color 45.0967, 25.8713,

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

45.0967, 25.8713, 53.0689

Protanopia

29.3955, 26.3547, 88.3317

Deuteranopia

26.6507, 26.0191, 48.9650



Tritanopia

37.6424, 25.8639, 16.9182

Trichromacy



Original Color

45.0967, 25.8713, 53.0689



Protanomaly

30.9356, 23.3105, 74.1031



Deuteranomaly

30.7128, 23.7295, 49.9752



Tritanomaly

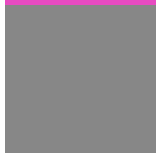
39.6926, 25.4859, 26.8720

Monochromacy



Original Color

45.0967, 25.8713, 53.0689



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

28.4834, 22.7566, 34.3437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0967, 25.8713, 53.0689 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(231, 75, 193)` looks like.

```
.text, #text, p{  
    color:rgb(231, 75, 193)  
}
```

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(231, 75, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 75, 193) }
```

Border

The CSS property to change the border of an element to XYZ 45.0967, 25.8713, 53.0689 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(231, 75, 193) }
```


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

```
.border{ border-color:rgb(231, 75, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 75, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 75, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 75, 193);  
box-shadow:4px 4px 4px 4px rgb(231, 75,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0967, 25.8713, 53.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 75, 193) }
```

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

```
.background{ background-color: rgb(231, 75,  
193) }
```

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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