

Converting Colors

XYZ(46.4048, 24.5888, 58.9335)

Have a look what the booklet for
XYZ(46.4048, 24.5888, 58.9335)
contains.

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Color

**XYZ(46.3135, 24.5202,
58.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	EB35CB
RGB	235, 53, 203
RGB Percent	92%, 21%, 80%
CMY	0.0784, 0.7921, 0.2039
CMYK	0.00, 0.77, 0.14, 0.08
HSL	311°, 82%, 56%
HSV	311°, 77%, 92%
XYZ	46.3135, 24.5202, 58.7918
YIQ	124.5180, 60.3220, 85.2340

Conversions

Conversions Part 2

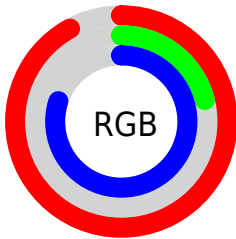
Format	Color
R _Y B	235, 53, 203
Decimal	15414731
CIE _{Lab}	56.60, 80.50, -37.68
CIE _{LCh}	57, 88.883, 334.917
Yxy	24.5202, 0.3573, 0.1892
Android (android.graphics.Color)	4293604811 (0xFFEB35CB)
YUV	124.5180, 38.6916, 96.8927
Hunter-Lab	49.5179, 80.2927, -35.7316

Details

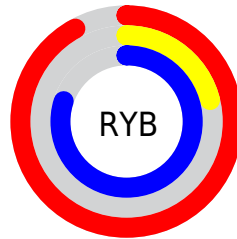
The XYZ color **46.3135, 24.5202, 58.7918** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **32.8175, 60.8303, 18.6087**, and the grayscale version is **19.1938, 20.1933, 21.9905**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **23.0245, 11.2521, 28.9753** is the 20% darker color. If you saturate the color by 10%, you get **45.0067, 22.6837, 55.9590**, and if you desaturate by 10%, it is **48.1597, 27.4135, 61.8696**.

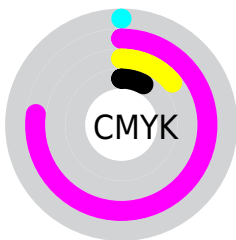
Distribution



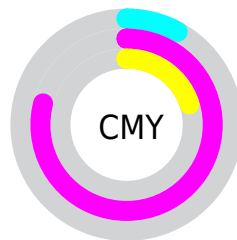
- Red (92%)
- Green (21%)
- Blue (80%)



- Red (92%)
- Yellow (21%)
- Blue (80%)



- Cyan (0%)
- Magenta (77%)
- Yellow (14%)
- Black (8%)





- Cyan (8%)
- Magenta (79%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3135, 24.5202, 58.7918 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 46.3135, 24.5202, 58.7918 by changing the saturation by 10% instead.

 46.3135, 24.5202,
58.7918

 46.3135, 24.5202,
58.7918


362.7624,
275.4400, 437.8103

 32.6989, 15.7200,
42.0266


 83.9130, 50.8778,
104.6012


 22.0540, 9.3262,
28.7964


 108.6286, 69.2039,
134.4824

 14.0134, 4.9546,
18.6826


 137.7753, 91.4741,
169.5728

 8.2118, 2.2206,
11.2667

 171.7185,
118.0727, 210.2908

 4.2837, 0.7312,
6.1301

 210.8234,
149.3843, 257.0551

 1.8639, 0.0000,
2.8543

255.4555,

 0.5557, 0.0000,

185.7931, 310.2840

1.0207

305.9800,
227.6835, 370.3962

■ 0.0000, 0.0000,
0.0000

■ 46.3135, 24.5202,
58.7918

■ 46.3135, 24.5202,
58.7918

■ 45.0067, 22.6837,
55.9590

■ 48.1597, 27.4135,
61.8696

■ 44.1469, 21.7210,
53.3392

■ 50.6106, 31.4954,
65.2140

■ 43.9627, 21.5429,
52.6912

■ 53.7247, 36.8824,
68.8451

■ 57.5528, 43.6760,
72.7806

■ 62.1408, 51.9678,
77.0360

67.5307, 61.8415,
81.6259

73.7613, 73.3747,
86.5636

80.8690, 86.6399,
91.8618

85.7776, 95.4848,
96.4956

Harmonies

Analogous

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



36.6200, 24.5202, 105.7496



46.3135, 24.5202, 58.7918



49.2165, 24.5202, 22.1141

Triad

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



46.3135, 24.5202, 58.7918



21.6446, 24.5202, 0.6319



10.5207, 24.5202, 74.2728

Complementary

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



46.3135, 24.5202, 58.7918



32.8175, 60.8303, 18.6087

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.



8.5917, 24.5202, 31.8760



46.3135, 24.5202, 58.7918



13.6871, 24.5202, 1.9469

Square

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



46.3135, 24.5202, 58.7918



32.7780, 24.5202, 1.2140



9.5505, 24.5202, 9.1183



15.8605, 24.5202, 118.4290

Rectangle

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



46.3135, 24.5202, 58.7918



46.3517, 24.5202, 9.1911



9.5505, 24.5202, 9.1183



9.5371, 24.5202, 58.5407

Sweetspot

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



46.3144, 24.5214, 58.7923



77.4927, 67.4714, 95.0750



19.8668, 10.4002, 79.5581



16.1018, 13.5561, 19.9288



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.



46.3144, 24.5214, 58.7923



53.5023, 26.5071, 65.4474



38.5536, 21.4171, 17.9247



15.5945, 15.2657, 18.4160



24.5098, 12.0066, 29.5495



1.9544, 0.9547, 2.4774

Inverse Universe

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



46.3144, 24.5214, 58.7923



53.5023, 26.5071, 65.4474



38.8503, 63.2434, 50.3769



15.5945, 15.2657, 18.4160



24.5098, 12.0066, 29.5495



1.9544, 0.9547, 2.4774

Previews

White Background



This preview shows how the XYZ color 46.3135, 24.5202, 58.7918 looks on a white background.

Color Contrast Check

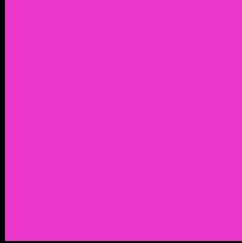
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3135, 24.5202, 58.7918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

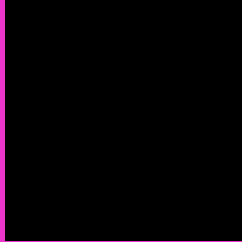
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.3135, 24.5202, 58.7918

Background



This preview shows how black text looks on a background with the XYZ color 46.3135, 24.5202, 58.7918.



This preview shows how white text looks on a background with the XYZ color 46.3135, 24.5202,

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

46.3135, 24.5202, 58.7918

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.3809, 24.8467, 53.3274



Tritanopia

36.9501, 24.3528, 14.0623

Trichromacy



Original Color

46.3135, 24.5202, 58.7918



Protanomaly

29.1965, 20.5025, 81.7754



Deuteranomaly

29.3135, 21.4596, 54.8217



Tritanomaly

39.4109, 23.7433, 25.7983

Monochromacy



Original Color

46.3135, 24.5202, 58.7918



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

25.7287, 19.2229, 32.4913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3135, 24.5202, 58.7918 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, 53, 203)` looks like.

```
.text, #text, p{  
    color:rgb(235, 53, 203)  
}
```

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, 53, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 53, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.3135, 24.5202, 58.7918 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, 53, 203) }
```


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

```
.border{ border-color:rgb(235, 53, 203) }
```

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

Here you see how a box with a 4 pixel rgb(235, 53, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 53, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 53, 203);  
box-shadow:4px 4px 4px 4px rgb(235, 53,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3135, 24.5202, 58.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 53, 203) }
```

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

```
.background{ background-color: rgb(235, 53,  
203) }
```

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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