

Converting Colors

XYZ(46.8261, 23.6528, 45.1150)

Have a look what the booklet for
XYZ(46.8261, 23.6528, 45.1150)
contains.

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Color

**XYZ(46.9024, 23.6822,
45.2791)**

Conversions

Conversions Part 1

Format	Color
Hex	F717B4
RGB	247, 23, 180
RGB Percent	97%, 9%, 71%
CMY	0.0314, 0.9097, 0.2941
CMYK	0.00, 0.91, 0.27, 0.03
HSL	318°, 93%, 53%
HSV	318°, 91%, 97%
XYZ	46.9024, 23.6822, 45.2791
YIQ	107.8740, 83.1070, 96.3150

Conversions

Conversions Part 2

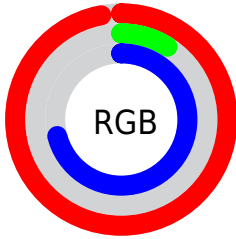
Format	Color
R_{YB}	247, 23, 180
Decimal	16193460
CIE _{Lab}	55.77, 85.77, -25.54
CIE _{LCh}	56, 89.491, 343.415
Yxy	23.6822, 0.4048, 0.2044
Android (android.graphics.Color)	4294383540 (0xFFFF717B4)
YUV	107.8740, 35.5581, 122.0135
Hunter-Lab	48.6644, 86.8745, -21.1005

Details

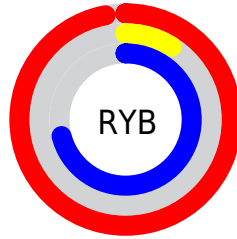
The XYZ color **46.9024, 23.6822, 45.2791** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **35.4616, 67.4430, 20.8281**, and the grayscale version is **14.1103, 14.8452, 16.1664**.

A 20% lighter version of the original color is **61.4319, 37.4193, 83.3417**, and **23.8383, 11.8466, 21.1089** is the 20% darker color. If you saturate the color by 10%, you get **45.9115, 22.7957, 41.5719**, and if you desaturate by 10%, it is **48.4152, 25.4706, 49.5970**.

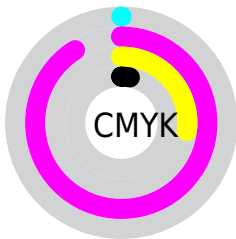
Distribution



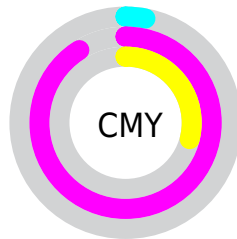
- Red (97%)
- Green (9%)
- Blue (71%)



- Red (97%)
- Yellow (9%)
- Blue (71%)



- Cyan (0%)
- Magenta (91%)
- Yellow (27%)
- Black (3%)





- Cyan (3%)
- Magenta (91%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9024, 23.6822, 45.2791 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 46.9024, 23.6822, 45.2791 by changing the saturation by 10% instead.

 46.9024, 23.6822,
45.2791


 46.9024, 23.6822,
45.2791


365.0802,
271.2098, 384.0958


 33.1661, 15.0980,
31.3328


 84.7875, 49.5111,
84.4620


 22.4136, 8.8882,
20.5918


 109.6671, 67.5246,
110.5356


 14.2794, 4.6683,
12.6376

 138.9919, 89.4501,
141.4887

 8.3983, 2.0540,
7.0517

 173.1271,
115.6718, 177.7398

 4.4048, 0.6386,
3.4155

 212.4382,
146.5743, 219.7076

 1.9336, 0.0000,
1.3105

257.2905,

 0.5962, 0.0000,

182.5418, 267.8105

0.0704

308.0494,
223.9589, 322.4670

■ 0.0000, 0.0000,
0.0000

■ 46.9024, 23.6822,
45.2791

■ 46.9024, 23.6822,
45.2791

■ 45.9115, 22.7957,
41.5719

■ 48.4152, 25.4706,
49.5970

■ 50.5284, 28.3947,
54.3159

■ 53.3250, 32.6197,
59.4666

■ 56.8741, 38.2824,
65.0748

■ 61.2358, 45.5024,
71.1634

66.4640, 54.3867,
77.7532

72.6080, 65.0326,
84.8633

79.7131, 77.5302,
92.5113

87.8216, 91.9631,
100.7141

Harmonies

Analogous

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



38.7817, 23.6822, 91.5150



46.9024, 23.6822, 45.2791



47.3602, 23.6822, 14.8621

Triad

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



46.9024, 23.6822, 45.2791



18.2744, 23.6822, 0.6364



11.0920, 23.6822, 86.5165

Complementary

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



46.9024, 23.6822, 45.2791



35.4616, 67.4430, 20.8281

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.



8.3526, 23.6822, 41.0654



46.9024, 23.6822, 45.2791



11.5756, 23.6822, 2.7574

Square

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



46.9024, 23.6822, 45.2791



28.5585, 23.6822, 0.7260



8.4979, 23.6822, 12.8862



17.3809, 23.6822, 125.1590

Rectangle

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



46.9024, 23.6822, 45.2791



43.0698, 23.6822, 5.6178



8.4979, 23.6822, 12.8862



9.8236, 23.6822, 70.4962

Sweetspot

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



46.9032, 23.6835, 45.2795



73.7399, 62.4048, 86.3052



20.9783, 9.3310, 88.6914



15.3225, 12.5630, 17.9261



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.



46.9032, 23.6835, 45.2795



49.3482, 24.5033, 44.6270



39.8202, 20.8503, 7.9810



16.9901, 16.6789, 19.6944



24.3467, 12.0821, 22.3316



2.1850, 1.0800, 2.2007

Inverse Universe

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



46.9032, 23.6835, 45.2795



49.3482, 24.5033, 44.6270



43.8627, 70.8034, 65.0674



16.9901, 16.6789, 19.6944



24.3467, 12.0821, 22.3316



2.1850, 1.0800, 2.2007

Previews

White Background



This preview shows how the XYZ color 46.9024, 23.6822, 45.2791 looks on a white background.

Color Contrast Check

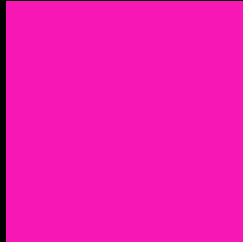
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9024, 23.6822, 45.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

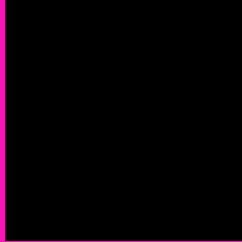
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.9024, 23.6822, 45.2791

Background



This preview shows how black text looks on a background with the XYZ color 46.9024, 23.6822, 45.2791.



This preview shows how white text looks on a background with the XYZ color 46.9024, 23.6822,

45.2791.

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

46.9024, 23.6822, 45.2791

Protanopia

28.0962, 24.2861, 96.1354

Deuteranopia

24.5251, 24.0755, 40.4002



Tritanopia

39.3187, 23.6516, 9.5141

Trichromacy



Original Color

46.9024, 23.6822, 45.2791



Protanomaly

27.1414, 17.9597, 73.9876



Deuteranomaly

28.5071, 19.5171, 41.2944



Tritanomaly

41.0214, 22.8245, 18.1631

Monochromacy



Original Color

46.9024, 23.6822, 45.2791



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

21.2550, 14.3999, 24.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9024, 23.6822, 45.2791 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(247, 23, 180)` looks like.

```
.text, #text, p{  
    color:rgb(247, 23, 180)  
}
```

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(247, 23, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 23, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.9024, 23.6822, 45.2791 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(247, 23, 180) }
```


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

```
.border{ border-color:rgb(247, 23, 180) }
```

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

Here you see how a box with a 4 pixel rgb(247, 23, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 23, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 23, 180);  
box-shadow:4px 4px 4px 4px rgb(247, 23,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9024, 23.6822, 45.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 23, 180) }
```

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

```
.background{ background-color: rgb(247, 23,  
180) }
```

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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