

Converting Colors

XYZ(46.9876, 23.1348, 70.9130)

Have a look what the booklet for
XYZ(46.9876, 23.1348, 70.9130)
contains.

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Color

**XYZ(47.0760, 23.1714,
71.0986)**

Conversions

Conversions Part 1

Format	Color
Hex	E916DE
RGB	233, 22, 222
RGB Percent	91%, 9%, 87%
CMY	0.0863, 0.9136, 0.1294
CMYK	0.00, 0.91, 0.05, 0.09
HSL	303°, 83%, 50%
HSV	303°, 91%, 91%
XYZ	47.0760, 23.1714, 71.0986
YIQ	107.8890, 61.5560, 106.9320

Conversions

Conversions Part 2

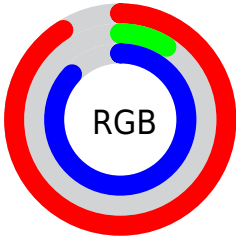
Format	Color
R _Y B	233, 22, 222
Decimal	15275742
CIE Lab	55.25, 88.50, -50.67
CIE LCh	55, 101.975, 330.206
Yxy	23.1714, 0.3331, 0.1639
Android (android.graphics.Color)	4293465822 (0xFFE916DE)
YUV	107.8890, 56.2567, 109.7223
Hunter-Lab	48.1367, 90.3276, -53.8765

Details

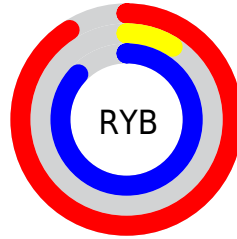
The XYZ color **47.0760, 23.1714, 71.0986** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.7455, 58.5593, 11.1760**, and the grayscale version is **14.0622, 14.7945, 16.1112**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **23.8962, 11.5238, 37.0412** is the 20% darker color. If you saturate the color by 10%, you get **46.6361, 22.5364, 70.1953**, and if you desaturate by 10%, it is **47.9038, 24.5647, 72.1810**.

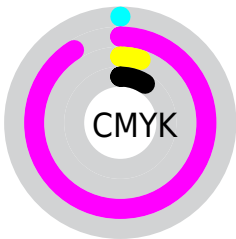
Distribution



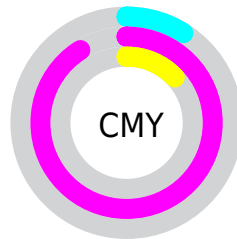
- Red (91%)
- Green (9%)
- Blue (87%)



- Red (91%)
- Yellow (9%)
- Blue (87%)



- Cyan (0%)
- Magenta (91%)
- Yellow (5%)
- Black (9%)





- Cyan (9%)
- Magenta (91%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0760, 23.1714, 71.0986 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 47.0760, 23.1714, 71.0986 by changing the saturation by 10% instead.


 47.0760, 23.1714,
71.0986


 47.0760, 23.1714,
71.0986

365.7617,
268.6041, 483.2910


 33.3039, 14.7201,
51.9403

 85.0451, 48.6746,
122.4699


 22.5197, 8.6232,
36.5756

 109.9729, 66.4953,
155.5200


 14.3580, 4.4962,
24.5859


 139.3499, 88.2080,
194.0378

 8.4535, 1.9548,
15.5526

 173.5416,
114.1970, 238.4418

 4.4407, 0.5810,
9.0572

 212.9132,
144.8467, 289.1506

 1.9543, 0.0000,
4.6812

257.8302,

 0.6081, 0.0000,

180.5415, 346.5827

2.0060

308.6579,
221.6659, 411.1566

■ 0.0000, 0.0000,
0.5590

■ 0.0000, 0.0000,
0.0000

■ 47.0760, 23.1714,
71.0986

■ 47.0760, 23.1714,
71.0986

■ 46.6361, 22.5364,
70.1953

■ 47.9038, 24.5647,
72.1810

■ 49.2227, 26.9391,
73.4328

■ 51.1040, 30.4365,
74.8778

■ 53.6068, 35.1748,
76.5359

■ 56.7825, 41.2571,
78.4240

■ 60.6774, 48.7759,
80.5578

■ 65.3336, 57.8153,
82.9512

■ 70.7899, 68.4531,
85.6171

■ 77.0824, 80.7615,
88.5677

Harmonies

Analogous

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



35.0080, 23.1714, 127.8031



47.0760, 23.1714, 71.0986



52.0538, 23.1714, 25.0049

Triad

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



47.0760, 23.1714, 71.0986



21.9451, 23.1714, 0.0000



7.9840, 23.1714, 71.8807

Complementary

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



47.0760, 23.1714, 71.0986



29.7455, 58.5593, 11.1760

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.



6.5633, 23.1714, 25.4559



47.0760, 23.1714, 71.0986



12.7273, 23.1714, 0.4982

Square

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



47.0760, 23.1714, 71.0986



34.8225, 23.1714, 0.4727



7.9440, 23.1714, 5.1165



12.8222, 23.1714, 128.4694

Rectangle

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



47.0760, 23.1714, 71.0986



49.6949, 23.1714, 9.1558



7.9440, 23.1714, 5.1165



7.1842, 23.1714, 53.7482

Sweetspot

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



47.0769, 23.1725, 71.0990



76.3078, 63.4320, 99.8278



15.6091, 6.7743, 77.5766



15.9365, 12.8086, 21.1594



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.



47.0769, 23.1725, 71.0990



57.2225, 27.6530, 86.0929



37.1008, 19.1821, 18.5654



15.6789, 15.2994, 18.8604



26.4767, 12.7934, 39.9074



2.0895, 1.0088, 3.1886

Inverse Universe

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



47.0769, 23.1725, 71.0990



57.2225, 27.6530, 86.0929



34.0625, 60.2861, 33.9091



15.6789, 15.2994, 18.8604



26.4767, 12.7934, 39.9074



2.0895, 1.0088, 3.1886

Previews

White Background



This preview shows how the XYZ color 47.0760, 23.1714, 71.0986 looks on a white background.

Color Contrast Check

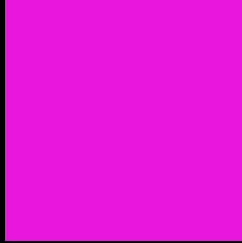
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0760, 23.1714, 71.0986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

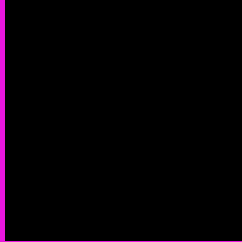
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.0760, 23.1714, 71.0986

Background



This preview shows how black text looks on a background with the XYZ color 47.0760, 23.1714, 71.0986.



This preview shows how white text looks on a background with the XYZ color 47.0760, 23.1714,

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

47.0760, 23.1714, 71.0986

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.3098, 23.6538, 63.6060



Tritanopia

35.1531, 23.1866, 13.4492

Trichromacy



Original Color

47.0760, 23.1714, 71.0986



Protanomaly

27.8599, 17.9210, 86.7847



Deuteranomaly

27.3796, 18.5234, 65.7506



Tritanomaly

37.7494, 21.7112, 27.4004

Monochromacy



Original Color

47.0760, 23.1714, 71.0986



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

21.2156, 14.2500, 30.0661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0760, 23.1714, 71.0986 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(233, 22, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 22, 222)  
}
```

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(233, 22, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 22, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.0760, 23.1714, 71.0986 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(233, 22, 222) }
```


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

```
.border{ border-color:rgb(233, 22, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 22, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 22, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 22, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 22,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0760, 23.1714, 71.0986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 22, 222) }
```

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

```
.background{ background-color: rgb(233, 22,  
222) }
```

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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