

Converting Colors

XYZ(48.0156, 24.0677, 69.4484)

Have a look what the booklet for
XYZ(48.0156, 24.0677, 69.4484)
contains.

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Color

**XYZ(47.9221, 24.0351,
69.1313)**

Conversions

Conversions Part 1

Format	Color
Hex	EC21DB
RGB	236, 33, 219
RGB Percent	93%, 13%, 86%
CMY	0.0745, 0.8705, 0.1412
CMYK	0.00, 0.86, 0.07, 0.07
HSL	305°, 84%, 53%
HSV	305°, 86%, 93%
XYZ	47.9221, 24.0351, 69.1313
YIQ	114.9010, 61.2820, 100.8820

Conversions

Conversions Part 2

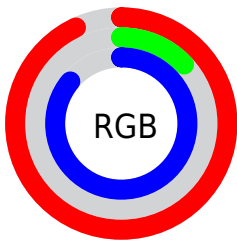
Format	Color
R _Y B	236, 33, 219
Decimal	15475163
CIE Lab	56.12, 87.08, -47.55
CIE LCh	56, 99.217, 331.365
Yxy	24.0351, 0.3397, 0.1704
Android (android.graphics.Color)	4293665243 (0xFFEC21DB)
YUV	114.9010, 51.3208, 106.2038
Hunter-Lab	49.0256, 88.6874, -49.2873

Details

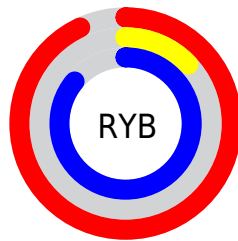
The XYZ color **47.9221, 24.0351, 69.1313** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **31.1997, 60.5456, 13.0618**, and the grayscale version is **16.1055, 16.9442, 18.4523**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **24.2901, 11.7583, 35.6397** is the 20% darker color. If you saturate the color by 10%, you get **47.2221, 23.0485, 67.6218**, and if you desaturate by 10%, it is **49.0848, 25.9409, 70.8106**.

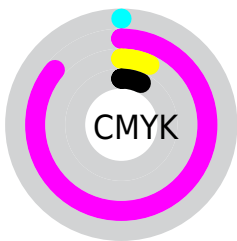
Distribution



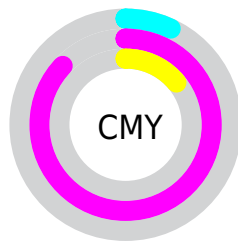
- Red (93%)
- Green (13%)
- Blue (86%)



- Red (93%)
- Yellow (13%)
- Blue (86%)



- Cyan (0%)
- Magenta (86%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (87%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9221, 24.0351, 69.1313 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 47.9221, 24.0351, 69.1313 by changing the saturation by 10% instead.

47.9221, 24.0351,
69.1313

47.9221, 24.0351,
69.1313

369.0710,
272.9979, 476.2004

33.9762, 15.3597,
50.3462

86.2988, 50.0875,
119.6386

23.0381, 9.0722,
35.3155

111.4603, 68.2332,
152.1978

14.7425, 4.7883,
23.6205

141.0911, 90.3045,
190.1856

8.7240, 2.1236,
14.8427

175.5564,
116.6857, 234.0203

4.6173, 0.6778,
8.5637

215.2217,
147.7612, 284.1207

2.0569, 0.0000,
4.3648

260.4524,

0.6656, 0.0000,

183.9155, 340.9051

1.8275

311.6137,
225.5329, 404.7922

■ 0.0000, 0.0000,
0.4460

■ 0.0000, 0.0000,
0.0000

■ 47.9221, 24.0351,
69.1313

■ 47.9221, 24.0351,
69.1313

■ 47.2221, 23.0485,
67.6218

■ 49.0848, 25.9409,
70.8106

■ 47.0175, 22.8031,
67.0485

■ 50.7901, 28.9276,
72.6859

■ 53.1056, 33.1296,
74.7800

■ 56.0882, 38.6611,
77.1118

■ 59.7886, 45.6229,
79.6983

■ 64.2523, 54.1064,
82.5548

■ 69.5212, 64.1952,
85.6952

■ 75.6341, 75.9669,
89.1326

■ 82.6271, 89.4939,
92.8790

Harmonies

Analogous

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



36.2252, 24.0351, 124.3747



47.9221, 24.0351, 69.1313



52.4302, 24.0351, 24.7058

Triad

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



47.9221, 24.0351, 69.1313



22.3274, 24.0351, 0.0000



8.7954, 24.0351, 74.1901

Complementary

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



47.9221, 24.0351, 69.1313



31.1997, 60.5456, 13.0618

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.



7.2128, 24.0351, 27.6913



47.9221, 24.0351, 69.1313



13.2464, 24.0351, 0.8422

Square

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



47.9221, 24.0351, 69.1313



35.0116, 24.0351, 0.6769



8.5225, 24.0351, 6.1660



13.8841, 24.0351, 128.6417

Rectangle

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



47.9221, 24.0351, 69.1313



49.8685, 24.0351, 9.3397



8.5225, 24.0351, 6.1660



7.9294, 24.0351, 56.2680

Sweetspot

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



47.9230, 24.0363, 69.1318



76.5419, 64.3937, 98.3836



16.9969, 7.8213, 79.9715



15.9648, 12.9859, 20.7968



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.



47.9230, 24.0363, 69.1318



56.0400, 27.1800, 79.8657



38.3827, 20.2202, 18.8933



15.6572, 15.2907, 18.7462



25.9403, 12.5788, 37.0825



2.0530, 0.9942, 2.9966

Inverse Universe

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



47.9230, 24.0363, 69.1318



56.0400, 27.1800, 79.8657



36.2440, 62.5633, 39.6251



15.6572, 15.2907, 18.7462



25.9403, 12.5788, 37.0825



2.0530, 0.9942, 2.9966

Previews

White Background



This preview shows how the XYZ color 47.9221, 24.0351, 69.1313 looks on a white background.

Color Contrast Check

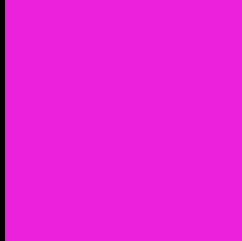
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9221, 24.0351, 69.1313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

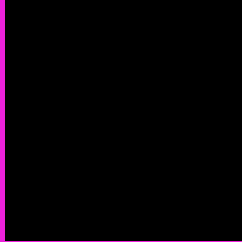
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.9221, 24.0351, 69.1313

Background



This preview shows how black text looks on a background with the XYZ color 47.9221, 24.0351, 69.1313.



This preview shows how white text looks on a background with the XYZ color 47.9221, 24.0351,

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

47.9221, 24.0351, 69.1313

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

25.0601, 24.4935, 61.7994



Tritanopia

36.5080, 24.0042, 13.7754

Trichromacy



Original Color

47.9221, 24.0351, 69.1313



Protanomaly

28.8716, 19.1072, 86.1708



Deuteranomaly

28.5200, 19.8281, 63.9520



Tritanomaly

38.9307, 22.6733, 27.5238

Monochromacy



Original Color

47.9221, 24.0351, 69.1313



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

23.2963, 16.1678, 32.0298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9221, 24.0351, 69.1313 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(236, 33, 219)` looks like.

```
.text, #text, p{  
    color:rgb(236, 33, 219)  
}
```

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(236, 33, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 33, 219) }
```

Border

The CSS property to change the border of an element to XYZ 47.9221, 24.0351, 69.1313 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(236, 33, 219) }
```


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

```
.border{ border-color:rgb(236, 33, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 33, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 33, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 33, 219);  
box-shadow:4px 4px 4px 4px rgb(236, 33,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9221, 24.0351, 69.1313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 33, 219) }
```

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

```
.background{ background-color: rgb(236, 33,  
219) }
```

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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