

Converting Colors

XYZ(51.2966, 30.8458, 69.6725)

Have a look what the booklet for
XYZ(51.2966, 30.8458, 69.6725)
contains.

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Color

**XYZ(51.1613, 30.7235,
69.5634)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5DDA
RGB	236, 93, 218
RGB Percent	93%, 36%, 85%
CMY	0.0745, 0.6353, 0.1451
CMYK	0.00, 0.61, 0.08, 0.07
HSL	308°, 79%, 65%
HSV	308°, 61%, 93%
XYZ	51.1613, 30.7235, 69.5634
YIQ	150.0070, 45.1030, 69.1910

Conversions

Conversions Part 2

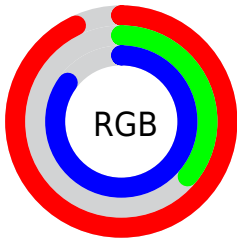
Format	Color
R _Y B	236, 93, 218
Decimal	15490522
CIE Lab	62.27, 69.34, -37.30
CIE LCh	62, 78.738, 331.724
Yxy	30.7235, 0.3378, 0.2029
Android (android.graphics.Color)	4293680602 (0xFFEC5DDA)
YUV	150.0070, 33.5205, 75.4159
Hunter-Lab	55.4288, 67.7568, -35.6091

Details

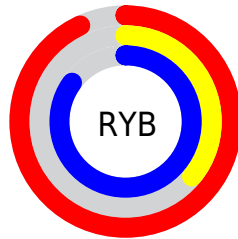
The XYZ color **51.1613, 30.7235, 69.5634** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **37.3803, 63.4669, 25.3213**, and the grayscale version is **28.8427, 30.3447, 33.0454**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **25.0900, 12.6867, 35.7767** is the 20% darker color. If you saturate the color by 10%, you get **49.0152, 27.0473, 66.9473**, and if you desaturate by 10%, it is **53.9554, 35.6832, 72.4304**.

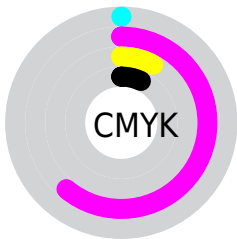
Distribution



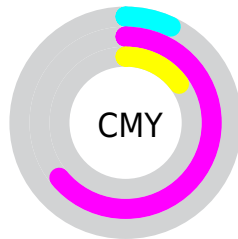
- Red (93%)
- Green (36%)
- Blue (85%)



- Red (93%)
- Yellow (36%)
- Blue (85%)



- Cyan (0%)
- Magenta (61%)
- Yellow (8%)
- Black (7%)





- Cyan (7%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1613, 30.7235, 69.5634 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 51.1613, 30.7235, 69.5634 by changing the saturation by 10% instead.


 51.1613, 30.7235,
69.5634


 51.1613, 30.7235,
69.5634


381.5675,
305.2625, 477.7632


 36.5586, 20.3884,
50.6961


 91.0747, 60.8045,
120.2612


 25.0380, 12.6777,
35.5917


 117.1161, 81.3192,
152.9287

 16.2342, 7.2070,
23.8319


 147.7011,
105.9958, 191.0334

 9.7820, 3.5919,
14.9979

 183.1951,
135.2188, 234.9938

 5.3158, 1.4480,
8.6713

223.9633,
169.3726, 285.2285

 2.4704, 0.2517,
4.4335

270.3712,

 0.8803, 0.0000,

208.8415, 342.1559

1.8661

322.7842,
254.0100, 406.1946

■ 0.0000, 0.0000,
0.4710

■ 0.0000, 0.0000,
0.0000

■ 51.1613, 30.7235,
69.5634

■ 51.1613, 30.7235,
69.5634

■ 49.0152, 27.0473,
66.9473

■ 53.9554, 35.6832,
72.4304

■ 47.4530, 24.5284,
64.5597


■ 57.4475, 42.0285,
75.5645


■ 46.4029, 23.0226,
62.3768


■ 61.6866, 49.8563,
78.9822


■ 45.7686, 22.3035,
60.4718


■ 66.7159, 59.2534,
82.6983

 72.5758, 70.3002,
86.7263

 79.3035, 83.0712,
91.0788

 85.9024, 95.5730,
95.4238

 86.3445, 95.7499,
97.7521

 86.7939, 95.9297,
100.1186

Harmonies

Analogous

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



41.3255, 30.7235, 112.0629



51.1613, 30.7235, 69.5634



54.7753, 30.7235, 31.7221

Triad

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



51.1613, 30.7235, 69.5634



28.5911, 30.7235, 2.4226



15.0351, 30.7235, 74.6527

Complementary

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



51.1613, 30.7235, 69.5634



37.3803, 63.4669, 25.3213

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.



13.1624, 30.7235, 35.2450



51.1613, 30.7235, 69.5634



19.7166, 30.7235, 4.2758

Square

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



51.1613, 30.7235, 69.5634



39.9973, 30.7235, 3.8443



14.6435, 30.7235, 12.6749



20.5478, 30.7235, 116.0525

Rectangle

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



51.1613, 30.7235, 69.5634



52.6101, 30.7235, 16.1236



14.6435, 30.7235, 12.6749



14.0289, 30.7235, 60.1420

Sweetspot

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



51.1624, 30.7249, 69.5640



81.1985, 73.7634, 99.7623



25.4473, 17.1812, 81.3328



16.9678, 15.0142, 21.0622



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.



51.1624, 30.7249, 69.5640



57.8629, 31.2994, 79.0134



43.8386, 27.7954, 30.9974



15.6284, 15.2792, 18.5947



25.2616, 12.3073, 33.5088



2.0065, 0.9756, 2.7517

Inverse Universe

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



51.1624, 30.7249, 69.5640



57.8629, 31.2994, 79.0134



42.8703, 65.6629, 54.2313



15.6284, 15.2792, 18.5947



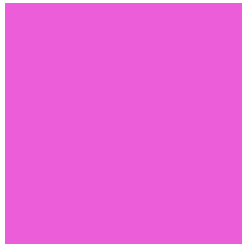
25.2616, 12.3073, 33.5088



2.0065, 0.9756, 2.7517

Previews

White Background



This preview shows how the XYZ color 51.1613, 30.7235, 69.5634 looks on a white background.

Color Contrast Check

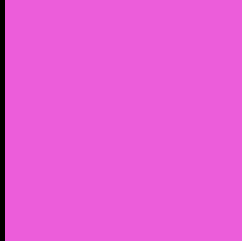
Large Text (above 18pt) WCAG AA × Fail

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 51.1613, 30.7235, 69.5634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

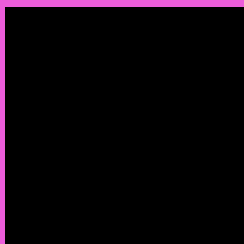
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1613, 30.7235, 69.5634

Background



This preview shows how black text looks on a background with the XYZ color 51.1613, 30.7235, 69.5634.



This preview shows how white text looks on a background with the XYZ color 51.1613, 30.7235,

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

51.1613, 30.7235, 69.5634

Protanopia

34.3094, 31.0907, 98.8005

Deuteranopia

31.7718, 31.0039, 64.6314



Tritanopia

41.6084, 30.6320, 23.4582

Trichromacy



Original Color

51.1613, 30.7235, 69.5634



Protanomaly

36.7533, 28.3619, 87.5417



Deuteranomaly

36.3115, 29.0000, 65.9711



Tritanomaly

44.3598, 30.2635, 36.3043

Monochromacy



Original Color

51.1613, 30.7235, 69.5634



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

34.6442, 28.6194, 44.2556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1613, 30.7235, 69.5634 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, 93, 218)` looks like.

```
.text, #text, p{  
    color:rgb(236, 93, 218)  
}
```

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, 93, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 93, 218) }
```

Border

The CSS property to change the border of an element to XYZ 51.1613, 30.7235, 69.5634 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, 93, 218) }
```


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

```
.border{ border-color:rgb(236, 93, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 93, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 93, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 93, 218);  
box-shadow:4px 4px 4px 4px rgb(236, 93,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1613, 30.7235, 69.5634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 93, 218) }
```

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

```
.background{ background-color: rgb(236, 93,  
218) }
```

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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