

Converting Colors

XYZ(48.9979, 29.3044, 69.7855)

Have a look what the booklet for
XYZ(48.9979, 29.3044, 69.7855)
contains.

XYZ(49.1604, 29.4196, 70.1054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1604, 29.4196,
70.1054)**

Conversions

Conversions Part 1

Format	Color
Hex	E65BDB
RGB	230, 91, 219
RGB Percent	90%, 36%, 86%
CMY	0.0980, 0.6431, 0.1412
CMYK	0.00, 0.60, 0.05, 0.10
HSL	305°, 74%, 63%
HSV	305°, 60%, 90%
XYZ	49.1604, 29.4196, 70.1054
YIQ	147.1530, 41.7560, 69.2760

Conversions

Conversions Part 2

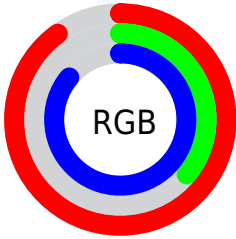
Format	Color
R _{YB}	230, 91, 219
Decimal	15096795
CIE _{Lab}	61.15, 68.81, -39.68
CIE _{LCh}	61, 79.434, 330.028
Yxy	29.4196, 0.3306, 0.1979
Android (android.graphics.Color)	4293286875 (0xFFE65BDB)
YUV	147.1530, 35.4206, 72.6568
Hunter-Lab	54.2398, 66.8642, -38.6649

Details

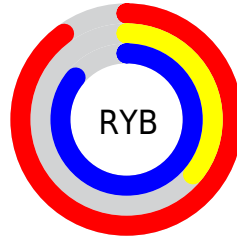
The XYZ color **49.1604, 29.4196, 70.1054** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **35.0108, 59.7783, 22.2653**, and the grayscale version is **27.6437, 29.0833, 31.6717**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **23.7118, 11.9151, 35.7004** is the 20% darker color. If you saturate the color by 10%, you get **47.2489, 25.9773, 68.2925**, and if you desaturate by 10%, it is **51.6789, 34.0702, 72.1341**.

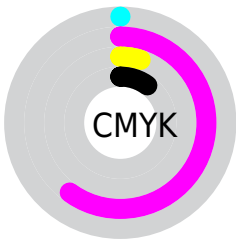
Distribution



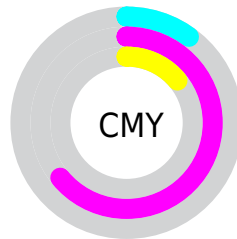
- Red (90%)
- Green (36%)
- Blue (86%)



- Red (90%)
- Yellow (36%)
- Blue (86%)



- Cyan (0%)
- Magenta (60%)
- Yellow (5%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1604, 29.4196, 70.1054 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 49.1604, 29.4196, 70.1054 by changing the saturation by 10% instead.


 49.1604, 29.4196,
70.1054

 49.1604, 29.4196,
70.1054


373.8799,
299.1896, 479.7191


 34.9618, 19.3985,
51.1351


 88.1289, 58.7431,
121.0416

 23.7998, 11.9586,
35.9387


 113.6296, 78.8142,
153.8446

 15.3091, 6.7155,
24.0975


 143.6282,
103.0042, 192.0955

 9.1244, 3.2848,
15.1931

 178.4903,
131.6973, 236.2130

 4.8801, 1.2822,
8.8069

218.5812,
165.2780, 286.6156

 2.2111, 0.1273,
4.5204

264.2662,

 0.7486, 0.0000,

204.1307, 343.7218

1.9149

315.9106,
248.6398, 407.9501

■ 0.0000, 0.0000,
0.5022

■ 0.0000, 0.0000,
0.0000

■ 49.1604, 29.4196,
70.1054

■ 49.1604, 29.4196,
70.1054

■ 47.2489, 25.9773,
68.2925

■ 51.6789, 34.0702,
72.1341

■ 45.8842, 23.6253,
66.6745


■ 54.8511, 40.0248,
74.3933


■ 44.9994, 22.2288,
65.2294


■ 58.7228, 47.3740,
76.8988


■ 44.4917, 21.5665,
63.9716


■ 63.3346, 56.1995,
79.6640

 68.7243, 66.5763,
82.7016

 74.9269, 78.5746,
86.0233

 81.9752, 92.2601,
89.6401

 83.1822, 94.2587,
91.3230

 83.4445, 94.3636,
92.7042

Harmonies

Analogous

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



39.2364, 29.4196, 111.8324



49.1604, 29.4196, 70.1054



53.1680, 29.4196, 32.0046

Triad

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



49.1604, 29.4196, 70.1054



27.9526, 29.4196, 2.0939



13.9544, 29.4196, 70.1881

Complementary

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



49.1604, 29.4196, 70.1054



35.0108, 59.7783, 22.2653

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.



12.3298, 29.4196, 32.0613



49.1604, 29.4196, 70.1054



19.0858, 29.4196, 3.6091

Square

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



49.1604, 29.4196, 70.1054



39.2149, 29.4196, 3.6025



13.9482, 29.4196, 11.0662



19.0991, 29.4196, 111.8976

Rectangle

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



49.1604, 29.4196, 70.1054



51.3297, 29.4196, 16.1244



13.9482, 29.4196, 11.0662



13.0452, 29.4196, 55.9809

Sweetspot

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



49.1614, 29.4210, 70.1060



81.5356, 73.8982, 101.5370



23.3105, 15.9214, 76.7084



17.0512, 15.0475, 21.5017



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.



49.1614, 29.4210, 70.1060



59.1268, 31.8050, 85.6690



41.9804, 26.5485, 32.2911



14.9433, 14.5945, 17.9018



25.2096, 12.2181, 36.3283



1.8776, 0.9087, 2.7619

Inverse Universe

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



49.1614, 29.4210, 70.1060



59.1268, 31.8050, 85.6690



39.8462, 61.7124, 47.7279



14.9433, 14.5945, 17.9018



25.2096, 12.2181, 36.3283



1.8776, 0.9087, 2.7619

Previews

White Background



This preview shows how the XYZ color 49.1604, 29.4196, 70.1054 looks on a white background.

Color Contrast Check

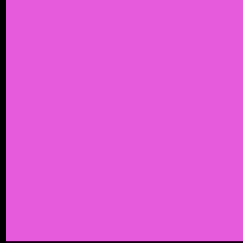
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1604, 29.4196, 70.1054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

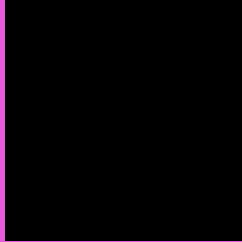
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.1604, 29.4196, 70.1054

Background



This preview shows how black text looks on a background with the XYZ color 49.1604, 29.4196, 70.1054.



This preview shows how white text looks on a background with the XYZ color 49.1604, 29.4196,

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

49.1604, 29.4196, 70.1054

Protanopia

33.1688, 29.8192, 98.6152

Deuteranopia

30.3692, 29.5709, 65.0799



Tritanopia

39.2764, 29.2633, 22.9803

Trichromacy



Original Color

49.1604, 29.4196, 70.1054



Protanomaly

35.3932, 27.2811, 87.4047



Deuteranomaly

34.5754, 27.5123, 66.4389



Tritanomaly

42.0520, 28.9163, 36.1659

Monochromacy



Original Color

49.1604, 29.4196, 70.1054



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.2637, 27.5430, 43.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1604, 29.4196, 70.1054 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(230, 91, 219)` looks like.

```
.text, #text, p{  
    color:rgb(230, 91, 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(230, 91, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 91, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.1604, 29.4196, 70.1054 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(230, 91, 219) }
```


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

```
.border{ border-color:rgb(230, 91, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 91, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 91, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 91, 219);  
box-shadow:4px 4px 4px 4px rgb(230, 91,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1604, 29.4196, 70.1054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 91, 219) }
```

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

```
.background{ background-color: rgb(230, 91,  
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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