

Converting Colors

XYZ(50.1257, 30.0501, 72.8661)

Have a look what the booklet for
XYZ(50.1257, 30.0501, 72.8661)
contains.

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Color

**XYZ(50.1886, 30.1453,
72.9854)**

Conversions

Conversions Part 1

Format	Color
Hex	E75DDF
RGB	231, 93, 223
RGB Percent	91%, 36%, 87%
CMY	0.0941, 0.6353, 0.1255
CMYK	0.00, 0.60, 0.03, 0.09
HSL	303°, 74%, 64%
HSV	303°, 60%, 91%
XYZ	50.1886, 30.1453, 72.9854
YIQ	149.0820, 40.5180, 69.6860

Conversions

Conversions Part 2

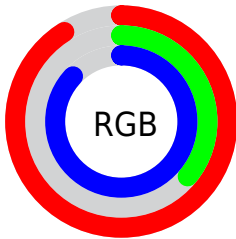
Format	Color
R_{YB}	231, 93, 223
Decimal	15162847
CIE _{Lab}	61.78, 68.88, -40.93
CIE _{LCh}	62, 80.122, 329.279
Yxy	30.1453, 0.3273, 0.1966
Android (android.graphics.Color)	4293352927 (0xFFE75DDF)
YUV	149.0820, 36.4416, 71.8421
Hunter-Lab	54.9047, 67.0842, -40.3815

Details

The XYZ color **50.1886, 30.1453, 72.9854** 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 **35.4404, 60.4198, 22.1080**, and the grayscale version is **28.4424, 29.9237, 32.5869**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **24.3802, 12.3445, 37.6570** is the 20% darker color. If you saturate the color by 10%, you get **48.2792, 26.6135, 71.4617**, and if you desaturate by 10%, it is **52.7138, 34.9048, 74.7219**.

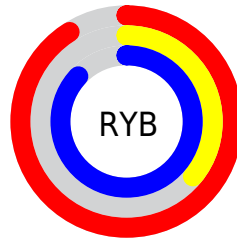
Distribution



Red (91%)

Green (36%)

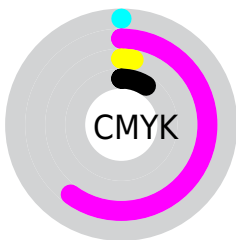
Blue (87%)



Red (91%)

Yellow (36%)

Blue (87%)

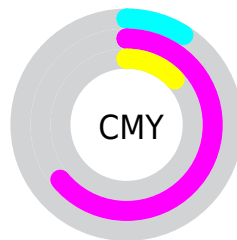


Cyan (0%)

Magenta (60%)

Yellow (3%)

Black (9%)



Cyan (9%)


Magenta (64%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1886, 30.1453, 72.9854 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 50.1886, 30.1453, 72.9854 by changing the saturation by 10% instead.


 50.1886, 30.1453,
72.9854

 50.1886, 30.1453,
72.9854


377.8428,
302.5811, 490.0336


 35.7817, 19.9489,
53.4723

 89.6444, 59.8919,
125.1772


 24.4350, 12.3579,
37.7896


 115.4240, 80.2109,
158.6930

 15.7831, 6.9879,
25.5189


 145.7252,
104.6728, 197.7134

 9.4607, 3.4545,
16.2415

 180.9134,
133.6622, 242.6569

 5.1024, 1.3734,
9.5390

221.3539,
167.5633, 293.9422

 2.3428, 0.1970,
4.9928

267.4120,

 0.8164, 0.0000,

206.7605, 351.9877

2.1844

319.4532,
251.6384, 417.2120

■ 0.0000, 0.0000,
0.6653

■ 0.0000, 0.0000,
0.0000

■ 50.1886, 30.1453,
72.9854

■ 50.1886, 30.1453,
72.9854

■ 48.2792, 26.6135,
71.4617

■ 52.7138, 34.9048,
74.7219

■ 46.9252, 24.1911,
70.1300


■ 55.9014, 40.9876,
76.6860


■ 46.0599, 22.7439,
68.9682


■ 59.7975, 48.4851,
78.8933


■ 45.5702, 22.0456,
67.9386


■ 64.4429, 57.4789,
81.3575


 45.5591, 22.0306,
67.9122

 69.8755, 68.0447,
84.0912

 76.1305, 80.2530,
87.1062

 83.2410, 94.1700,
90.4134

 83.5258, 94.4333,
91.4526

 83.7187, 94.5104,
92.4684

Harmonies

Analogous

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



39.9187, 30.1453, 115.5290



50.1886, 30.1453, 72.9854



54.4929, 30.1453, 33.5693

Triad

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



50.1886, 30.1453, 72.9854



28.9116, 30.1453, 2.1415



14.2095, 30.1453, 70.8219

Complementary

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



50.1886, 30.1453, 72.9854



35.4404, 60.4198, 22.1080

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.



12.6289, 30.1453, 32.0881



50.1886, 30.1453, 72.9854



19.7341, 30.1453, 3.6041

Square

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



50.1886, 30.1453, 72.9854



40.4801, 30.1453, 3.7766



14.3722, 30.1453, 11.0081



19.3869, 30.1453, 113.8239

Rectangle

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



50.1886, 30.1453, 72.9854



52.7461, 30.1453, 16.9785



14.3722, 30.1453, 11.0081



13.3069, 30.1453, 56.3312

Sweetspot

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



50.1897, 30.1467, 72.9860



81.6894, 73.9598, 102.3474



23.5840, 16.3034, 77.5061



17.0894, 15.0628, 21.7027



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.



50.1897, 30.1467, 72.9860



59.9019, 32.3708, 88.9619



42.7955, 27.1890, 34.0486



14.9571, 14.6000, 17.9746



25.5570, 12.3570, 38.1576



1.8996, 0.9176, 2.8780

Inverse Universe

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



50.1897, 30.1467, 72.9860



59.9019, 32.3708, 88.9619



40.2435, 62.3410, 47.4006



14.9571, 14.6000, 17.9746



25.5570, 12.3570, 38.1576



1.8996, 0.9176, 2.8780

Previews

White Background



This preview shows how the XYZ color 50.1886, 30.1453, 72.9854 looks on a white background.

Color Contrast Check

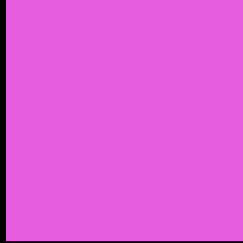
Large Text (above 18pt) WCAG AA × Fail

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 50.1886, 30.1453, 72.9854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

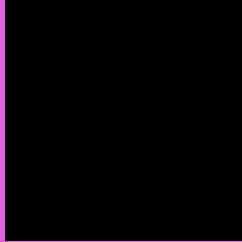
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1886, 30.1453, 72.9854

Background



This preview shows how black text looks on a background with the XYZ color 50.1886, 30.1453, 72.9854.



This preview shows how white text looks on a background with the XYZ color 50.1886, 30.1453,

72.9854.

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

50.1886, 30.1453, 72.9854

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.1850, 30.3948, 67.8415



Tritanopia

40.0083, 29.9678, 24.0978

Trichromacy



Original Color

50.1886, 30.1453, 72.9854



Protanomaly

36.1615, 28.0394, 88.3002



Deuteranomaly

35.5534, 28.3406, 69.2421



Tritanomaly

42.9273, 29.6435, 38.1096

Monochromacy



Original Color

50.1886, 30.1453, 72.9854



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

34.2771, 28.4188, 44.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1886, 30.1453, 72.9854 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(231, 93, 223)` looks like.

```
.text, #text, p{  
    color:rgb(231, 93, 223)  
}
```

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(231, 93, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 93, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.1886, 30.1453, 72.9854 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(231, 93, 223) }
```


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

```
.border{ border-color:rgb(231, 93, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 93, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 93, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 93, 223);  
box-shadow:4px 4px 4px 4px rgb(231, 93,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1886, 30.1453, 72.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 93, 223) }
```

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

```
.background{ background-color: rgb(231, 93,  
223) }
```

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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