

Converting Colors

XYZ(35.7463, 29.8338, 47.6174)

Have a look what the booklet for
XYZ(35.7463, 29.8338, 47.6174)
contains.

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Color

**XYZ(35.7841, 29.9350,
47.6081)**

Conversions

Conversions Part 1

Format	Color
Hex	B585B5
RGB	181, 133, 181
RGB Percent	71%, 52%, 71%
CMY	0.2902, 0.4784, 0.2902
CMYK	0.00, 0.27, 0.00, 0.29
HSL	300°, 24%, 62%
HSV	300°, 27%, 71%
XYZ	35.7841, 29.9350, 47.6081
YIQ	152.8240, 13.2000, 25.1040

Conversions

Conversions Part 2

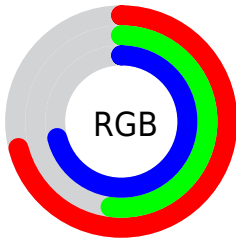
Format	Color
RYB	181, 133, 181
Decimal	11896245
CIELab	61.60, 26.56, -18.01
CIELCh	62, 32.094, 325.864
Yxy	29.9350, 0.3158, 0.2641
Android (android.graphics.Color)	4290086325 (0xFFB585B5)
YUV	152.8240, 13.8908, 24.7104
Hunter-Lab	54.7129, 20.9976, -13.2918

Details

The XYZ color **35.7841, 29.9350, 47.6081** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.4316, 39.7288, 28.2564**, and the grayscale version is **30.1401, 31.7097, 34.5319**.

A 20% lighter version of the original color is **67.9814, 59.6596, 88.0532**, and **15.7419, 12.2571, 21.9582** is the 20% darker color. If you saturate the color by 10%, you get **33.5167, 25.3997, 46.8525**, and if you desaturate by 10%, it is **38.4804, 35.3269, 48.5073**.

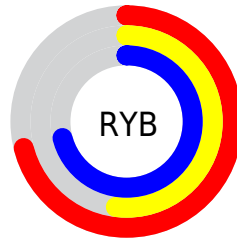
Distribution



Red (71%)

Green (52%)

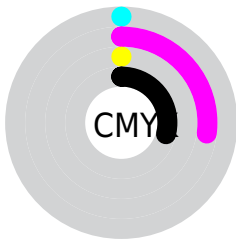
Blue (71%)



Red (71%)

Yellow (52%)

Blue (71%)

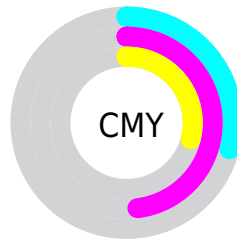


Cyan (0%)

Magenta (27%)

Yellow (0%)

Black (29%)



Cyan (29%)


Magenta (48%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7841, 29.9350, 47.6081 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 35.7841, 29.9350, 47.6081 by changing the saturation by 10% instead.


 35.7841, 29.9350,
47.6081

 35.7841, 29.9350,
47.6081


319.4636,
301.6014, 393.7004


 24.4368, 19.7893,
33.1589


 68.0248, 59.5594,
87.9801

 15.7845, 12.2419,
21.9761


 89.6488, 79.8068,
114.7399

 9.4616, 6.9087,
13.6412


 115.4293,
104.1902, 146.4403

 5.1030, 3.4051,
7.7356

145.7314,
133.0940, 183.4999

 2.3432, 1.3467,
3.8409

180.9205,
166.9027, 226.3371

 0.8166, 0.1769,
1.5385

221.3620,

 0.0000, 0.0000,

206.0005, 275.3706

0.2463

267.4213,
250.7719, 331.0189

■ 0.0000, 0.0000,
0.0000

■ 35.7841, 29.9350,
47.6081

■ 35.7841, 29.9350,
47.6081

■ 33.5167, 25.3997,
46.8525

■ 38.4804, 35.3269,
48.5073

■ 31.6535, 21.6733,
46.2314

■ 41.6230, 41.6122,
49.5549

■ 30.1715, 18.7094,
45.7373

■ 45.2320, 48.8301,
50.7580

■ 29.0445, 16.4554,
45.3615

■ 49.3253, 57.0166,
52.1225

■ 28.2428, 14.8520,
45.0942

■ 53.9198, 66.2056,
53.6541

■ 27.7318, 13.8301,
44.9238

■ 59.0317, 76.4295,
55.3582

■ 27.4652, 13.2969,
44.8348

■ 63.1571, 84.6802,
56.7334

■ 27.3968, 13.1601,
44.8120

■ 63.1571, 84.6802,
56.7335

■ 63.1571, 84.6802,
56.7336

Harmonies

Analogous

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



32.1768, 29.9350, 58.5845



35.7841, 29.9350, 47.6081



37.4279, 29.9350, 34.3153

Triad

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



35.7841, 29.9350, 47.6081



29.0471, 29.9350, 14.3500



21.7005, 29.9350, 43.9347

Complementary

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



35.7841, 29.9350, 47.6081



30.4316, 39.7288, 28.2564

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.



21.0403, 29.9350, 30.9315



35.7841, 29.9350, 47.6081



25.0269, 29.9350, 15.7156

Square

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



35.7841, 29.9350, 47.6081



33.3002, 29.9350, 16.7790



22.1973, 29.9350, 21.1238



24.0993, 29.9350, 56.1190

Rectangle

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



35.7841, 29.9350, 47.6081



37.0801, 29.9350, 26.5935



22.1973, 29.9350, 21.1238



21.2788, 29.9350, 39.4357

Sweetspot

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



35.7850, 29.9363, 47.6087



73.5795, 72.5949, 88.4286



26.4022, 25.0993, 47.1699



15.7149, 15.3138, 19.0498



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7850, 29.9363, 47.6087



61.5557, 48.5474, 84.4203



33.5305, 29.0345, 35.7365



8.8501, 8.6467, 10.7088



18.8865, 9.0722, 30.8920



0.5943, 0.2854, 0.9720

Inverse Universe

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



35.7850, 29.9363, 47.6087



61.5557, 48.5474, 84.4203



32.2837, 40.4696, 38.0094



8.8501, 8.6467, 10.7088



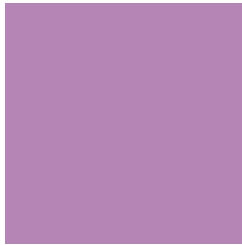
18.8865, 9.0722, 30.8920



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 35.7841, 29.9350, 47.6081 looks on a white background.

Color Contrast Check

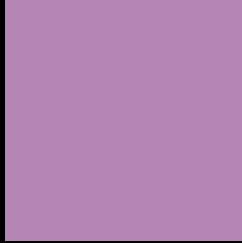
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7841, 29.9350, 47.6081 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 35.7841, 29.9350, 47.6081

Background



This preview shows how black text looks on a background with the XYZ color 35.7841, 29.9350, 47.6081.



This preview shows how white text looks on a background with the XYZ color 35.7841, 29.9350,

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

35.7841, 29.9350, 47.6081

Protanopia

30.3189, 30.0323, 53.4890

Deuteranopia

30.8100, 30.2020, 46.8535



Tritanopia

32.8691, 30.0144, 32.9151

Trichromacy



Original Color

35.7841, 29.9350, 47.6081

Protanomaly

31.9691, 29.8039, 51.0815

Deuteranomaly

32.4610, 29.9221, 47.2447

Tritanomaly

33.7388, 29.9295, 37.7170

Monochromacy



Original Color

35.7841, 29.9350, 47.6081

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.9940, 30.9886, 38.9455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7841, 29.9350, 47.6081 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(181, 133, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 133, 181)  
}
```

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(181, 133, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 133, 181) }
```

Border

The CSS property to change the border of an element to XYZ 35.7841, 29.9350, 47.6081 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(181, 133, 181) }
```


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

```
.border{ border-color:rgb(181, 133, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 133, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 133, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 133, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 133,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7841, 29.9350, 47.6081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 133, 181) }
```

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

```
.background{ background-color: rgb(181,  
133, 181) }
```

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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