

Converting Colors

XYZ(41.6580, 29.4392, 73.6432)

Have a look what the booklet for
XYZ(41.6580, 29.4392, 73.6432)
contains.

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Color

**XYZ(41.6729, 29.3877,
73.2880)**

Conversions

Conversions Part 1

Format	Color
Hex	C175DF
RGB	193, 117, 223
RGB Percent	76%, 46%, 87%
CMY	0.2431, 0.5412, 0.1255
CMYK	0.13, 0.48, 0.00, 0.13
HSL	283°, 62%, 67%
HSV	283°, 48%, 87%
XYZ	41.6729, 29.3877, 73.2880
YIQ	151.8080, 11.2700, 49.0780

Conversions

Conversions Part 2

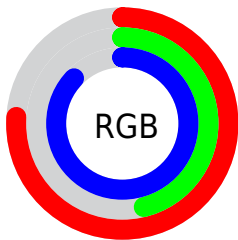
Format	Color
R _Y B	193, 117, 223
Decimal	12678623
CIE _{Lab}	61.12, 47.42, -42.31
CIE _{LCh}	61, 63.551, 318.264
Yxy	29.3877, 0.2887, 0.2036
Android (android.graphics.Color)	4290868703 (0xFFC175DF)
YUV	151.8080, 35.0977, 36.1254
Hunter-Lab	54.2104, 42.3491, -42.2079

Details

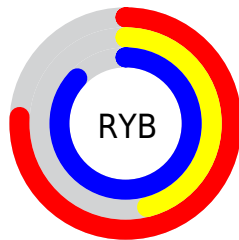
The XYZ color **41.6729, 29.3877, 73.2880** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.6319, 60.2634, 26.2685**, and the grayscale version is **29.6134, 31.1556, 33.9285**.

A 20% lighter version of the original color is **72.3966, 56.8550, 101.7661**, and **19.1819, 11.8890, 37.8430** is the 20% darker color. If you saturate the color by 10%, you get **37.8029, 23.9847, 72.4496**, and if you desaturate by 10%, it is **46.2325, 36.0661, 74.3372**.

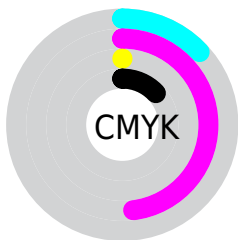
Distribution



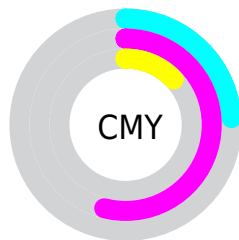
- Red (76%)
- Green (46%)
- Blue (87%)



- Red (76%)
- Yellow (46%)
- Blue (87%)



- Cyan (13%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)





- Cyan (24%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6729, 29.3877, 73.2880 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 41.6729, 29.3877, 73.2880 by changing the saturation by 10% instead.


 41.6729, 29.3877,
73.2880

 41.6729, 29.3877,
73.2880


344.1399,
299.0399, 491.1099


 29.0352, 19.3743,
53.7182

 76.9726, 58.6925,
125.6107

 19.2519, 11.9411,
37.9848


 100.3654, 78.7527,
159.2007

 11.9575, 6.7036,
25.6691


 128.0739,
102.9306, 198.3012

 6.7867, 3.2774,
16.3528

160.4635,
131.6107, 243.3307

 3.3742, 1.2782,
9.6171

197.8995,
165.1772, 294.7078

 1.3546, 0.1242,
5.0435

240.7474,

 0.2235, 0.0000,

204.0147, 352.8510

2.2136

289.3724,
248.5074, 418.1788

■ 0.0000, 0.0000,
0.6822

■ 0.0000, 0.0000,
0.0000

■ 41.6729, 29.3877,
73.2880

■ 41.6729, 29.3877,
73.2880

■ 37.8029, 23.9847,
72.4496

■ 46.2325, 36.0661,
74.3372

■ 34.5739, 19.7638,
71.8050

■ 51.5195, 44.0972,
75.6087

■ 31.9353, 16.6244,
71.3381

■ 57.5727, 53.5563,
77.1155

■ 29.8268, 14.4472,
71.0290

■ 64.4271, 64.5121,
78.8689

■ 28.1672, 13.0707,
70.8508

■ 72.1154, 77.0289,
80.8796

■ 27.7944, 12.7899,
70.8162

■ 80.6682, 91.1669,
83.1578

■ 84.0647, 94.8834,
83.6961

■ 86.2114, 95.9900,
83.7966

■ 88.4331, 97.1353,
83.9005

Harmonies

Analogous

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



33.2595, 29.3877, 98.3318



41.6729, 29.3877, 73.2880



46.7361, 29.3877, 42.2668

Triad

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



41.6729, 29.3877, 73.2880



31.3189, 29.3877, 4.8194



15.3140, 29.3877, 48.6379

Complementary

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



41.6729, 29.3877, 73.2880



41.6319, 60.2634, 26.2685

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.



14.9999, 29.3877, 23.5440



41.6729, 29.3877, 73.2880



23.2064, 29.3877, 5.2124

Square

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



41.6729, 29.3877, 73.2880



40.0113, 29.3877, 8.5207



17.6021, 29.3877, 10.1430



18.5674, 29.3877, 79.8962

Rectangle

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



41.6729, 29.3877, 73.2880



46.9740, 29.3877, 25.8464



17.6021, 29.3877, 10.1430



14.8889, 29.3877, 39.0561

Sweetspot

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



41.6740, 29.3889, 73.2886



81.0799, 77.4336, 105.2805



31.0953, 29.9886, 73.9620



16.9360, 15.9088, 22.4280



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.



41.6740, 29.3889, 73.2886



51.2802, 32.5722, 98.1920



47.2227, 32.5833, 58.4651



13.8972, 13.7306, 17.3055



16.4585, 7.5800, 41.6440



1.2271, 0.5699, 2.8906

Inverse Universe

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



42.0599, 30.5181, 31.2784



52.3468, 34.5639, 33.0995



38.4558, 58.4504, 34.0544



13.8659, 13.7640, 15.0640



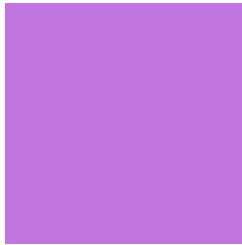
18.4645, 9.4528, 3.8460



1.3176, 0.6703, 0.4652

Previews

White Background



This preview shows how the XYZ color 41.6729, 29.3877, 73.2880 looks on a white background.

Color Contrast Check

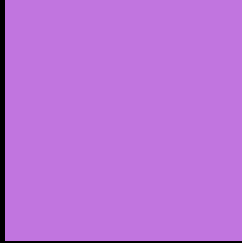
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6729, 29.3877, 73.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

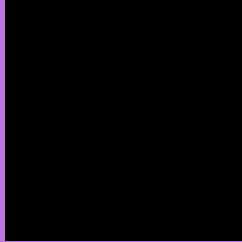
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.6729, 29.3877, 73.2880

Background



This preview shows how black text looks on a background with the XYZ color 41.6729, 29.3877, 73.2880.

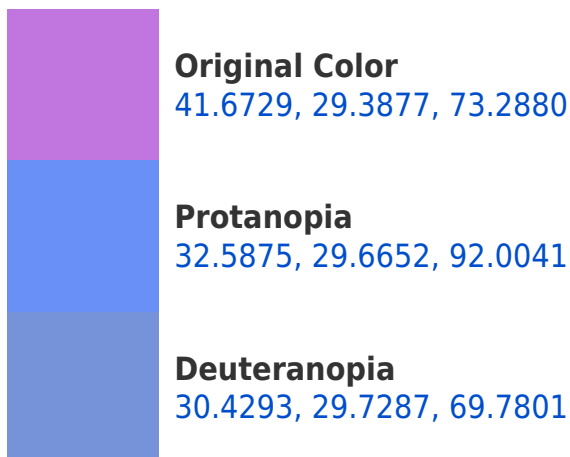


This preview shows how white text looks on a background with the XYZ color 41.6729, 29.3877,

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





Tritanopia

32.9083, 29.2270, 31.1011

Trichromacy



Original Color

41.6729, 29.3877, 73.2880



Protanomaly

34.2742, 28.5416, 84.5916



Deuteranomaly

33.2674, 28.7425, 70.8123



Tritanomaly

35.3667, 28.8086, 43.7410

Monochromacy



Original Color

41.6729, 29.3877, 73.2880



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

33.2049, 29.8951, 46.1397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6729, 29.3877, 73.2880 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(193, 117, 223)` looks like.

```
.text, #text, p{  
    color:rgb(193, 117, 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(193, 117, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 117, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.6729, 29.3877, 73.2880 is called "border". The border property can be set on classes, ids or directly on the HTML element.

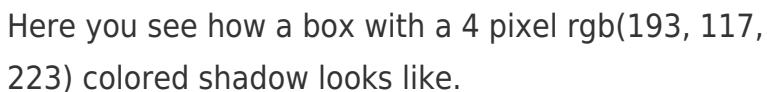
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 117, 223) }
```


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

```
.border{ border-color:rgb(193, 117, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 117, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 117, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 117, 223); box-shadow:4px 4px 4px 4px rgb(193, 117, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6729, 29.3877, 73.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 117, 223) }
```

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

```
.background{ background-color: rgb(193,  
117, 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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