

Converting Colors

XYZ(42.5787, 29.0558, 62.4869)

Have a look what the booklet for
XYZ(42.5787, 29.0558, 62.4869)
contains.

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Color

**XYZ(42.6791, 29.1393,
62.4065)**

Conversions

Conversions Part 1

Format	Color
Hex	CF6FCF
RGB	207, 111, 207
RGB Percent	81%, 44%, 81%
CMY	0.1882, 0.5647, 0.1882
CMYK	0.00, 0.46, 0.00, 0.19
HSL	300°, 50%, 62%
HSV	300°, 46%, 81%
XYZ	42.6791, 29.1393, 62.4065
YIQ	150.6480, 26.4000, 50.2080

Conversions

Conversions Part 2

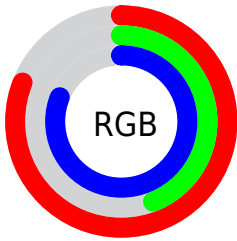
Format	Color
R _Y B	207, 111, 207
Decimal	13594575
CIE _{Lab}	60.90, 51.40, -33.54
CIE _{LCh}	61, 61.370, 326.873
Yxy	29.1393, 0.3180, 0.2171
Android (android.graphics.Color)	4291784655 (0xFFCF6FCF)
YUV	150.6480, 27.7815, 49.4207
Hunter-Lab	53.9808, 46.6618, -30.7578

Details

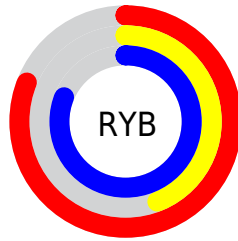
The XYZ color **42.6791, 29.1393, 62.4065** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.7389, 49.1540, 22.8555**, and the grayscale version is **29.1434, 30.6612, 33.3900**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **19.7582, 11.7771, 30.9376** is the 20% darker color. If you saturate the color by 10%, you get **40.6770, 25.1345, 61.7393**, and if you desaturate by 10%, it is **45.2065, 34.1933, 63.2493**.

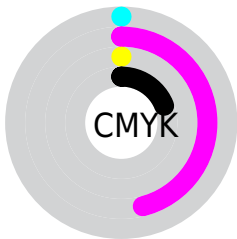
Distribution



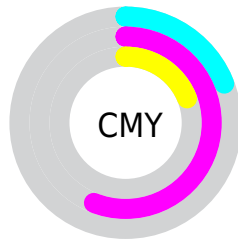
- Red (81%)
- Green (44%)
- Blue (81%)



- Red (81%)
- Yellow (44%)
- Blue (81%)



- Cyan (0%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)



- Cyan (19%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6791, 29.1393, 62.4065 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 42.6791, 29.1393, 62.4065 by changing the saturation by 10% instead.

42.6791, 29.1393,
62.4065

42.6791, 29.1393,
62.4065

348.2343,
297.8716, 451.4608

29.8268, 19.1862,
44.9233

78.4851, 58.2983,
109.8901

19.8546, 11.8049,
31.0545

102.1696, 78.2731,
140.7276

12.3971, 6.6110,
20.3816

130.1955,
102.3572, 176.8537

7.0888, 3.2200,
12.4859

162.9282,
130.9350, 218.6868

3.5645, 1.2477,
6.9490

200.7331,
164.3910, 266.6456

1.4589, 0.1001,
3.3522

243.9755,

0.2976, 0.0000,

203.1095, 321.1484

1.2772

293.0208,
247.4749, 382.6140

■ 0.0000, 0.0000,
0.0430

■ 0.0000, 0.0000,
0.0000

■ 42.6791, 29.1393,
62.4065

■ 42.6791, 29.1393,
62.4065

■ 40.6770, 25.1345,
61.7393

■ 45.2065, 34.1933,
63.2493

■ 39.1606, 22.1016,
61.2337


■ 48.2893, 40.3589,
64.2771


■ 38.0894, 19.9593,
60.8765


■ 51.9590, 47.6982,
65.5004


■ 37.4151, 18.6108,
60.6517


■ 56.2437, 56.2678,
66.9288


 37.0765, 17.9335,
60.5387


 61.1700, 66.1202,
68.5710

 36.9950, 17.7706,
60.5115

 66.7626, 77.3053,
70.4353

 72.7553, 89.2907,
72.4330

 72.7553, 89.2907,
72.4331

 72.7553, 89.2907,
72.4332

Harmonies

Analogous

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



35.2474, 29.1393, 89.4821



42.6791, 29.1393, 62.4065



46.0702, 29.1393, 34.1918

Triad

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



42.6791, 29.1393, 62.4065



28.5436, 29.1393, 4.9364



16.1158, 29.1393, 56.0982

Complementary

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



42.6791, 29.1393, 62.4065



31.7389, 49.1540, 22.8555

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.



15.0007, 29.1393, 29.3850



42.6791, 29.1393, 62.4065



21.3084, 29.1393, 6.4219

Square

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



42.6791, 29.1393, 62.4065



36.9818, 29.1393, 7.2864



16.7077, 29.1393, 13.2284



20.1114, 29.1393, 84.7707

Rectangle

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



42.6791, 29.1393, 62.4065



45.1785, 29.1393, 20.5814



16.7077, 29.1393, 13.2284



15.4295, 29.1393, 46.3098

Sweetspot

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



42.6801, 29.1406, 62.4071



84.6998, 79.2997, 105.4497



23.5038, 19.2549, 61.5102



17.8265, 16.3679, 22.4696



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.



42.6801, 29.1406, 62.4071



65.1061, 40.1124, 98.9176



37.6758, 27.1389, 36.0550



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1243



1.3032, 0.6260, 2.1317

Inverse Universe

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



42.6801, 29.1406, 62.4071



65.1061, 40.1124, 98.9176



35.1276, 50.5095, 40.7003



12.3109, 12.0091, 14.9128



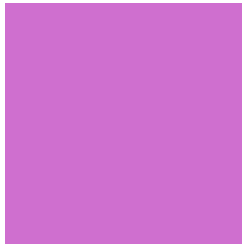
23.3081, 11.1961, 38.1243



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 42.6791, 29.1393, 62.4065 looks on a white background.

Color Contrast Check

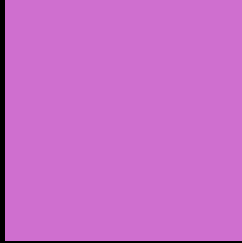
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6791, 29.1393, 62.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

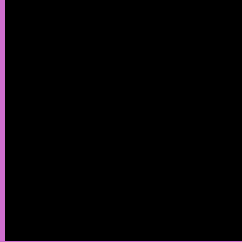
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6791, 29.1393, 62.4065

Background



This preview shows how black text looks on a background with the XYZ color 42.6791, 29.1393, 62.4065.



This preview shows how white text looks on a background with the XYZ color 42.6791, 29.1393,

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

42.6791, 29.1393, 62.4065

Protanopia

31.7787, 29.4554, 82.6078

Deuteranopia

30.0281, 29.2931, 59.3298



Tritanopia

35.3934, 28.9907, 27.3972

Trichromacy



Original Color

42.6791, 29.1393, 62.4065



Protanomaly

33.8745, 28.1418, 74.8807



Deuteranomaly

33.4651, 28.4578, 60.2290



Tritanomaly

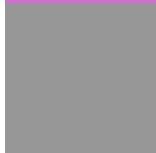
37.4464, 28.7009, 37.7486

Monochromacy



Original Color

42.6791, 29.1393, 62.4065



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

32.9494, 29.2065, 42.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6791, 29.1393, 62.4065 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(207, 111, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 111, 207)  
}
```

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(207, 111, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 111, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.6791, 29.1393, 62.4065 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(207, 111, 207) }
```


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

```
.border{ border-color:rgb(207, 111, 207) }
```

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

Here you see how a box with a 4 pixel rgb(207, 111, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 111, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 111, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 111,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6791, 29.1393, 62.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 111, 207) }
```

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

```
.background{ background-color: rgb(207,  
111, 207) }
```

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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