

Converting Colors

XYZ(36.8141, 21.9746, 46.0276)

Have a look what the booklet for
XYZ(36.8141, 21.9746, 46.0276)
contains.

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Color

**XYZ(36.7265, 21.9093,
46.0093)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4DB5
RGB	207, 77, 181
RGB Percent	81%, 30%, 71%
CMY	0.1882, 0.6980, 0.2902
CMYK	0.00, 0.63, 0.13, 0.19
HSL	312°, 58%, 56%
HSV	312°, 63%, 81%
XYZ	36.7265, 21.9093, 46.0093
YIQ	127.7260, 44.0960, 59.9040

Conversions

Conversions Part 2

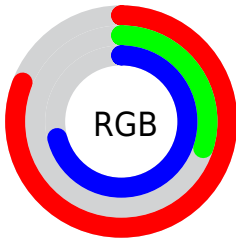
Format	Color
RYB	207, 77, 181
Decimal	13585845
CIELab	53.93, 62.76, -29.51
CIELCh	54, 69.348, 334.815
Yxy	21.9093, 0.3510, 0.2094
Android (android.graphics.Color)	4291775925 (0xFFCF4DB5)
YUV	127.7260, 26.2641, 69.5233
Hunter-Lab	46.8074, 58.1437, -25.5139

Details

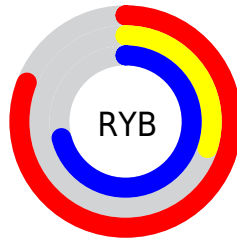
The XYZ color **36.7265, 21.9093, 46.0093** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **27.8226, 47.1835, 20.4746**, and the grayscale version is **20.3253, 21.3838, 23.2869**.

A 20% lighter version of the original color is **65.0512, 44.4246, 85.2670**, and **16.2907, 7.9481, 21.0976** is the 20% darker color. If you saturate the color by 10%, you get **35.0833, 19.2924, 43.3967**, and if you desaturate by 10%, it is **38.8445, 25.4547, 48.8428**.

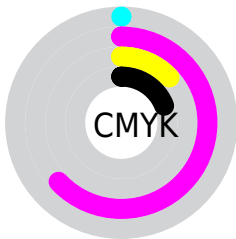
Distribution



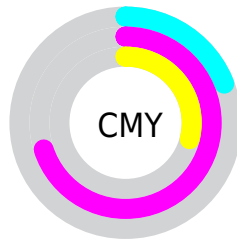
- Red (81%)
- Green (30%)
- Blue (71%)



- Red (81%)
- Yellow (30%)
- Blue (71%)



- Cyan (0%)
- Magenta (63%)
- Yellow (13%)
- Black (19%)





- Cyan (19%)
- Magenta (70%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7265, 21.9093, 46.0093 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 36.7265, 21.9093, 46.0093 by changing the saturation by 10% instead.

 36.7265, 21.9093,
46.0093

 36.7265, 21.9093,
46.0093


323.5010,
262.0723, 387.1247


 25.1685, 13.7903,
31.9044


 69.4685, 46.5960,
85.5673


 16.3320, 7.9749,
21.0243


 91.3832, 63.9325,
111.8576

 9.8518, 4.0789,
12.9504


 117.4809, 85.1103,
143.0468

 5.3623, 1.7178,
7.2640

 148.1269,
110.5138, 179.5533

 2.4983, 0.4351,
3.5468

 183.6865,
140.5273, 221.7959

 0.8944, 0.0000,
1.3802

224.5252,

 0.0000, 0.0000,

175.5353, 270.1929

0.1262

271.0083,
215.9222, 325.1630

■ 0.0000, 0.0000,
0.0000

■ 36.7265, 21.9093,
46.0093

■ 36.7265, 21.9093,
46.0093

■ 35.0833, 19.2924,
43.3967

■ 38.8445, 25.4547,
48.8428

■ 33.8672, 17.5099,
40.9880

■ 41.4746, 30.0046,
51.9097

■ 33.0239, 16.4533,
38.7649

■ 44.6531, 35.6307,
55.2228

■ 32.5785, 16.0040,
37.2556

■ 48.4122, 42.3971,
58.7932

■ 52.7815, 50.3631,
62.6313

■ 57.7886, 59.5838,
66.7470

■ 63.4596, 70.1108,
71.1493

■ 69.8187, 81.9929,
75.8468

■ 74.1817, 89.8613,
79.9453

Harmonies

Analogous

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



30.1550, 21.9093, 76.1205



36.7265, 21.9093, 46.0093



38.6806, 21.9093, 20.5646

Triad

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



36.7265, 21.9093, 46.0093



19.6409, 21.9093, 1.8555



11.1125, 21.9093, 55.9183

Complementary

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



36.7265, 21.9093, 46.0093



27.8226, 47.1835, 20.4746

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.



9.5345, 21.9093, 27.4800



36.7265, 21.9093, 46.0093



13.6490, 21.9093, 3.5072

Square

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



36.7265, 21.9093, 46.0093



27.5588, 21.9093, 2.6301



10.3376, 21.9093, 10.2765



15.2871, 21.9093, 83.8572

Rectangle

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



36.7265, 21.9093, 46.0093



36.7838, 21.9093, 10.4146



10.3376, 21.9093, 10.2765



10.3130, 21.9093, 45.6367

Sweetspot

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



36.7272, 21.9104, 46.0097



79.9727, 72.2794, 96.3704



19.5110, 12.6975, 60.4546



16.7014, 14.7148, 20.2539



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.



36.7272, 21.9104, 46.0097



55.5509, 29.8953, 68.3163



31.5393, 19.8352, 18.6906



12.2052, 11.9668, 14.3566



20.5601, 10.0969, 23.6536



1.1760, 0.5751, 1.4615

Inverse Universe

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



36.7272, 21.9104, 46.0097



55.5509, 29.8953, 68.3163



32.4422, 49.0314, 44.8011



12.2052, 11.9668, 14.3566



20.5601, 10.0969, 23.6536



1.1760, 0.5751, 1.4615

Previews

White Background



This preview shows how the XYZ color 36.7265, 21.9093, 46.0093 looks on a white background.

Color Contrast Check

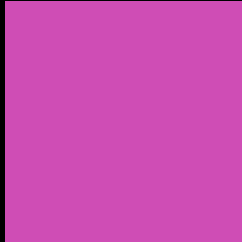
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7265, 21.9093, 46.0093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

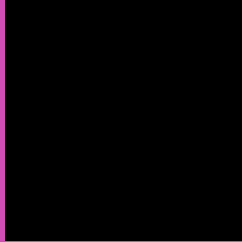
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7265, 21.9093, 46.0093

Background



This preview shows how black text looks on a background with the XYZ color 36.7265, 21.9093, 46.0093.



This preview shows how white text looks on a background with the XYZ color 36.7265, 21.9093,

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

36.7265, 21.9093, 46.0093

Protanopia

24.6702, 22.2703, 72.1056

Deuteranopia

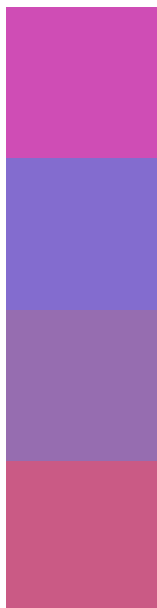
22.6034, 22.0474, 42.5994



Tritanopia

30.4707, 21.8974, 15.9852

Trichromacy



Original Color

36.7265, 21.9093, 46.0093

Protanomaly

25.9851, 20.0554, 61.5330

Deuteranomaly

25.8828, 20.5559, 43.6778

Tritanomaly

32.2469, 21.5623, 24.6526

Monochromacy



Original Color

36.7265, 21.9093, 46.0093

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.6397, 20.2120, 30.2064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7265, 21.9093, 46.0093 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, 77, 181)` looks like.

```
.text, #text, p{  
    color:rgb(207, 77, 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(207, 77, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 77, 181) }
```

Border

The CSS property to change the border of an element to XYZ 36.7265, 21.9093, 46.0093 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, 77, 181) }
```


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

```
.border{ border-color:rgb(207, 77, 181) }
```

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

Here you see how a box with a 4 pixel rgb(207, 77, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 77, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 77, 181);  
box-shadow:4px 4px 4px 4px rgb(207, 77,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7265, 21.9093, 46.0093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 77, 181) }
```

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

```
.background{ background-color: rgb(207, 77,  
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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