

Converting Colors

XYZ(41.9371, 25.1132, 66.2588)

Have a look what the booklet for
XYZ(41.9371, 25.1132, 66.2588)
contains.

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Color

**XYZ(42.0437, 25.2123,
66.2688)**

Conversions

Conversions Part 1

Format	Color
Hex	D256D6
RGB	210, 86, 214
RGB Percent	82%, 34%, 84%
CMY	0.1765, 0.6627, 0.1608
CMYK	0.02, 0.60, 0.00, 0.16
HSL	298°, 61%, 59%
HSV	298°, 60%, 84%
XYZ	42.0437, 25.2123, 66.2688
YIQ	137.6680, 32.8160, 66.0960

Conversions

Conversions Part 2

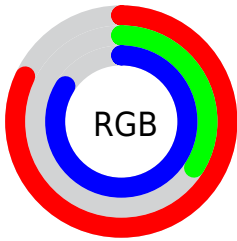
Format	Color
R _{YB}	210, 86, 214
Decimal	13784790
CIE _{Lab}	57.28, 65.10, -43.14
CIE _{LCh}	57, 78.099, 326.467
Yxy	25.2123, 0.3149, 0.1888
Android (android.graphics.Color)	4291974870 (0xFFD256D6)
YUV	137.6680, 37.6317, 63.4352
Hunter-Lab	50.2119, 61.5920, -43.1017

Details

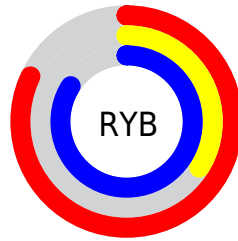
The XYZ color **42.0437, 25.2123, 66.2688** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.9436, 50.9393, 17.0595**, and the grayscale version is **23.8850, 25.1289, 27.3653**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **19.4571, 9.6789, 33.6436** is the 20% darker color. If you saturate the color by 10%, you get **40.3941, 22.1945, 65.7736**, and if you desaturate by 10%, it is **44.2073, 29.2555, 66.9355**.

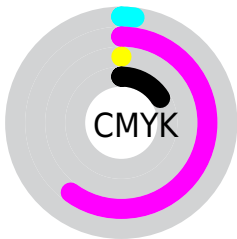
Distribution



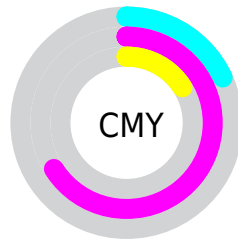
- Red (82%)
- Green (34%)
- Blue (84%)



- Red (82%)
- Yellow (34%)
- Blue (84%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (66%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0437, 25.2123, 66.2688 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 42.0437, 25.2123, 66.2688 by changing the saturation by 10% instead.


 42.0437, 25.2123,
66.2688


 42.0437, 25.2123,
66.2688


345.6526,
278.8936, 465.7680


 29.3268, 16.2353,
48.0328

 77.5305, 52.0014,
115.5027


 19.4737, 9.6908,
33.4927


 101.0311, 70.5823,
147.3377

 12.1191, 5.1944,
22.2299


 128.8569, 93.1333,
184.5428

 6.8976, 2.3618,
13.8260

 161.3734,
120.0388, 227.5364

 3.4439, 0.8061,
7.8624

198.9459,
151.6832, 276.7373

 1.3926, 0.0000,
3.9205

241.9396,

 0.2510, 0.0000,

188.4509, 332.5638

1.5818

290.7201,
230.7262, 395.4345

■ 0.0000, 0.0000,
0.2778

■ 0.0000, 0.0000,
0.0000

■ 42.0437, 25.2123,
66.2688

■ 42.0437, 25.2123,
66.2688

■ 40.3941, 22.1945,
65.7736

■ 44.2073, 29.2555,
66.9355

■ 39.2086, 20.1042,
65.4326


■ 46.9235, 34.4035,
67.7860


■ 38.4320, 18.8307,
65.2277


■ 50.2304, 40.7317,
68.8332


■ 37.9656, 18.1764,
65.1260


■ 54.1620, 48.3082,
70.0884


 37.9576, 18.1657,
65.1244

 58.7496, 57.1955,
71.5620

 64.0226, 67.4523,
73.2639

 70.0084, 79.1335,
75.2031

 76.0250, 90.8752,
77.1524

 76.2222, 90.9769,
77.1616

Harmonies

Analogous

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



32.7906, 25.2123, 102.8900



42.0437, 25.2123, 66.2688



46.4431, 25.2123, 30.7099

Triad

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



42.0437, 25.2123, 66.2688



25.0757, 25.2123, 1.5429



11.3136, 25.2123, 56.9642

Complementary

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



42.0437, 25.2123, 66.2688



29.9436, 50.9393, 17.0595

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.



10.2404, 25.2123, 24.4329



42.0437, 25.2123, 66.2688



16.8824, 25.2123, 2.4462

Square

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



42.0437, 25.2123, 66.2688



35.1850, 25.2123, 3.1270



11.9908, 25.2123, 7.8399



15.4244, 25.2123, 95.5049

Rectangle

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



42.0437, 25.2123, 66.2688



45.3706, 25.2123, 15.4026



11.9908, 25.2123, 7.8399



10.6399, 25.2123, 44.5580

Sweetspot

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



42.0446, 25.2134, 66.2693



81.5893, 73.8590, 104.5637



19.6552, 14.1922, 65.3221



17.0645, 15.0377, 22.2531



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.



42.0446, 25.2134, 66.2693



59.4896, 31.9657, 97.6423



36.9152, 23.2948, 33.2405



12.9129, 12.6120, 15.6913



22.9601, 10.9889, 39.3641



1.3972, 0.6691, 2.3748

Inverse Universe

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



32.9057, 21.6910, 12.1265



44.8631, 26.3553, 9.7690



33.0528, 52.1392, 35.4087



12.4388, 12.4270, 12.9851



16.7912, 8.6528, 0.9385



1.0184, 0.5242, 0.0864

Previews

White Background



This preview shows how the XYZ color 42.0437, 25.2123, 66.2688 looks on a white background.

Color Contrast Check

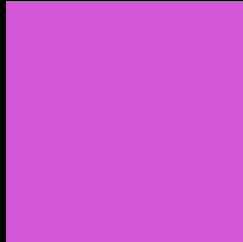
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0437, 25.2123, 66.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

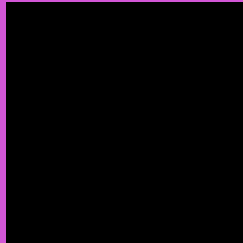
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0437, 25.2123, 66.2688

Background



This preview shows how black text looks on a background with the XYZ color 42.0437, 25.2123, 66.2688.



This preview shows how white text looks on a background with the XYZ color 42.0437, 25.2123,

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

42.0437, 25.2123, 66.2688

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

26.1494, 25.4872, 61.2989



Tritanopia

32.7375, 25.0865, 20.8860

Trichromacy



Original Color

42.0437, 25.2123, 66.2688



Protanomaly

30.4016, 23.2989, 85.3329



Deuteranomaly

29.5407, 23.5307, 62.6594



Tritanomaly

35.3116, 24.7301, 33.4841

Monochromacy



Original Color

42.0437, 25.2123, 66.2688



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

28.7896, 23.8393, 39.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0437, 25.2123, 66.2688 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(210, 86, 214)` looks like.

```
.text, #text, p{  
    color:rgb(210, 86, 214)  
}
```

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(210, 86, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 86, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.0437, 25.2123, 66.2688 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(210, 86, 214) }
```


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

```
.border{ border-color:rgb(210, 86, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 86, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 86, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 86, 214);  
box-shadow:4px 4px 4px 4px rgb(210, 86,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0437, 25.2123, 66.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 86, 214) }
```

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

```
.background{ background-color: rgb(210, 86,  
214) }
```

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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