

Converting Colors

XYZ(42.9856, 25.4131, 71.3720)

Have a look what the booklet for
XYZ(42.9856, 25.4131, 71.3720)
contains.

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Color

**XYZ(42.8780, 25.4191,
71.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	D255DD
RGB	210, 85, 221
RGB Percent	82%, 33%, 87%
CMY	0.1765, 0.6666, 0.1333
CMYK	0.05, 0.62, 0.00, 0.13
HSL	295°, 67%, 60%
HSV	295°, 62%, 87%
XYZ	42.8780, 25.4191, 71.0531
YIQ	137.8790, 30.8440, 68.7960

Conversions

Conversions Part 2

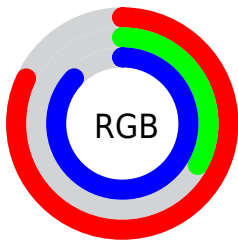
Format	Color
R_{YB}	210, 85, 221
Decimal	13784541
CIE _{Lab}	57.48, 66.74, -46.78
CIE _{LCh}	57, 81.506, 324.972
Yxy	25.4191, 0.3077, 0.1824
Android (android.graphics.Color)	4291974621 (0xFFD255DD)
YUV	137.8790, 40.9787, 63.2501
Hunter-Lab	50.4174, 63.5769, -48.2651

Details

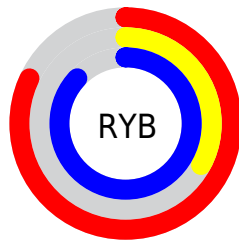
The XYZ color **42.8780, 25.4191, 71.0531** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.3208, 54.8562, 17.4803**, and the grayscale version is **23.9532, 25.2006, 27.4434**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **19.9409, 9.7929, 36.4365** is the 20% darker color. If you saturate the color by 10%, you get **40.8962, 22.2060, 70.5377**, and if you desaturate by 10%, it is **45.4105, 29.7236, 71.7508**.

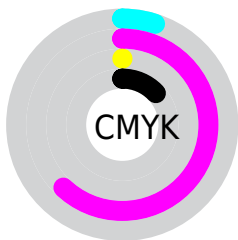
Distribution



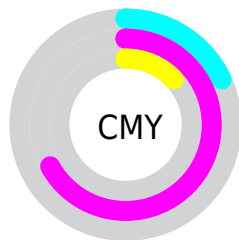
- Red (82%)
- Green (33%)
- Blue (87%)



- Red (82%)
- Yellow (33%)
- Blue (87%)



- Cyan (5%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)





- Cyan (18%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8780, 25.4191, 71.0531 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 42.8780, 25.4191, 71.0531 by changing the saturation by 10% instead.


 42.8780, 25.4191,
71.0531

 42.8780, 25.4191,
71.0531


349.0398,
279.9187, 483.1277


 29.9835, 16.3896,
51.9034


 78.7836, 52.3363,
122.4045


 19.9741, 9.8002,
36.5464


 102.5254, 70.9928,
155.4433

 12.4844, 5.2667,
24.5635


 130.6137, 93.6270,
193.9489

 7.1490, 2.4046,
15.5361

 163.4138,
120.6235, 238.3398

 3.6026, 0.8282,
9.0457

201.2911,
152.3664, 289.0346

 1.4799, 0.0000,
4.6738

244.6110,

 0.3121, 0.0000,

189.2404, 346.4519

2.0018

293.7388,
231.6297, 411.0100

■ 0.0000, 0.0000,
0.5564

■ 0.0000, 0.0000,
0.0000

■ 42.8780, 25.4191,
71.0531

■ 42.8780, 25.4191,
71.0531

■ 40.8962, 22.2060,
70.5377

■ 45.4105, 29.7236,
71.7508

■ 39.4097, 19.9759,
70.1856


■ 48.5367, 35.2077,
72.6446


■ 38.3566, 18.6042,
69.9764


■ 52.2984, 41.9544,
73.7486


■ 37.7143, 17.9348,
69.8810


■ 56.7329, 50.0383,
75.0752

 61.8748, 59.5282,
76.6360

 67.7559, 70.4882,
78.4415

 74.4065, 82.9784,
80.5018

 79.6450, 92.6359,
82.0898

 80.2029, 92.9235,
82.1159

Harmonies

Analogous

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



32.9208, 25.4191, 109.8314



42.8780, 25.4191, 71.0531



47.9100, 25.4191, 32.6280

Triad

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



42.8780, 25.4191, 71.0531



25.8320, 25.4191, 1.2820



10.8895, 25.4191, 56.9077

Complementary

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



42.8780, 25.4191, 71.0531



32.3208, 54.8562, 17.4803

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.



9.9360, 25.4191, 23.2542



42.8780, 25.4191, 71.0531



17.1103, 25.4191, 2.0040

Square

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



42.8780, 25.4191, 71.0531



36.5250, 25.4191, 2.9324



11.8791, 25.4191, 6.9448



14.9578, 25.4191, 98.5091

Rectangle

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



42.8780, 25.4191, 71.0531



47.0294, 25.4191, 16.0437



11.8791, 25.4191, 6.9448



10.2497, 25.4191, 43.8976

Sweetspot

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



42.8790, 25.4202, 71.0536



80.7624, 73.4327, 104.5250



21.0118, 15.5796, 70.3067



16.8593, 14.9320, 22.2435



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.



42.8790, 25.4202, 71.0536



55.8623, 29.6311, 97.3828



39.7991, 24.5626, 37.9246



13.5051, 13.2185, 16.4918



21.9543, 10.4421, 40.5968



1.4537, 0.6927, 2.6315

Inverse Universe

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



35.1794, 22.7147, 13.5976



44.7121, 25.7941, 10.5176



34.4611, 55.5878, 34.3747



13.0986, 13.0685, 13.7803



17.4016, 8.9617, 1.2289



1.1426, 0.5867, 0.1596

Previews

White Background



This preview shows how the XYZ color 42.8780, 25.4191, 71.0531 looks on a white background.

Color Contrast Check

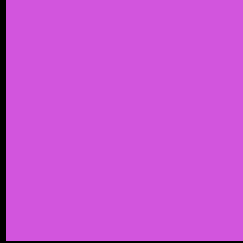
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8780, 25.4191, 71.0531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

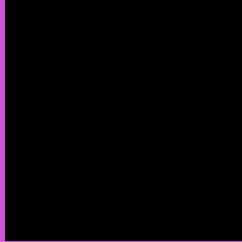
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8780, 25.4191, 71.0531

Background



This preview shows how black text looks on a background with the XYZ color 42.8780, 25.4191, 71.0531.

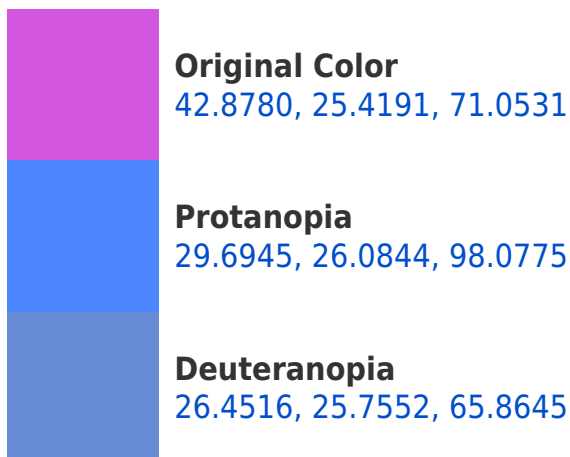


This preview shows how white text looks on a background with the XYZ color 42.8780, 25.4191,

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

32.8189, 25.4455, 21.5941

Trichromacy



Original Color

42.8780, 25.4191, 71.0531



Protanomaly

30.9964, 23.5536, 87.7066



Deuteranomaly

29.8471, 23.7627, 67.3035



Tritanomaly

35.3789, 24.7257, 35.2556

Monochromacy



Original Color

42.8780, 25.4191, 71.0531



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

28.9746, 23.9133, 40.1344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8780, 25.4191, 71.0531 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, 85, 221)` looks like.

```
.text, #text, p{  
    color:rgb(210, 85, 221)  
}
```

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, 85, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 85, 221) }
```

Border

The CSS property to change the border of an element to XYZ 42.8780, 25.4191, 71.0531 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, 85, 221) }
```


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

```
.border{ border-color:rgb(210, 85, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 85, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 85, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 85, 221);  
box-shadow:4px 4px 4px 4px rgb(210, 85,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8780, 25.4191, 71.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 85, 221) }
```

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

```
.background{ background-color: rgb(210, 85,  
221) }
```

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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