

# Converting Colors

XYZ(42.1561, 25.5573, 51.0291)

Have a look what the booklet for  
XYZ(42.1561, 25.5573, 51.0291)  
contains.

<b>XYZ(42.0283, 25.5453, 50.8597)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.0283, 25.5453,  
50.8597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC56BD
RGB	220, 86, 189
RGB Percent	86%, 34%, 74%
CMY	0.1373, 0.6627, 0.2588
CMYK	0.00, 0.61, 0.14, 0.14
HSL	314°, 66%, 60%
HSV	314°, 61%, 86%
XYZ	42.0283, 25.5453, 50.8597
YIQ	137.8080, 46.8010, 60.4410

# Conversions

## Conversions Part 2

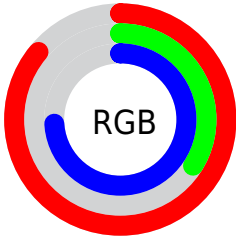
Format	Color
R <sub>Y</sub> B	220, 86, 189
Decimal	14440125
CIE Lab	57.60, 63.67, -28.28
CIE LCh	58, 69.667, 336.052
Yxy	25.5453, 0.3549, 0.2157
Android (android.graphics.Color)	4292630205 (0xFFDC56BD)
YUV	137.8080, 25.2377, 72.0824
Hunter-Lab	50.5424, 59.9818, -24.2826

# Details

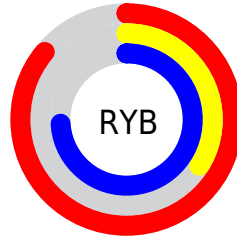
The XYZ color **42.0283, 25.5453, 50.8597** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **32.6431, 54.4501, 25.6212**, and the grayscale version is **23.9799, 25.2287, 27.4740**.

A 20% lighter version of the original color is **67.6970, 47.5587, 92.8005**, and **19.5063, 9.8964, 23.8038** is the 20% darker color. If you saturate the color by 10%, you get **39.9916, 22.3402, 47.5026**, and if you desaturate by 10%, it is **44.6265, 29.8414, 54.5000**.

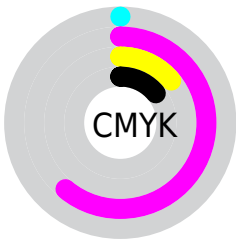
# Distribution



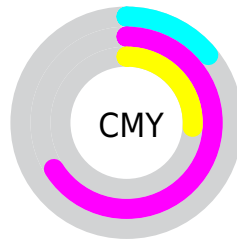
- Red (86%)
- Green (34%)
- Blue (74%)



- Red (86%)
- Yellow (34%)
- Blue (74%)



- Cyan (0%)
- Magenta (61%)
- Yellow (14%)
- Black (14%)




- Cyan (14%)
- Magenta (66%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0283, 25.5453, 50.8597 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 42.0283, 25.5453, 50.8597 by changing the saturation by 10% instead.



 42.0283, 25.5453,  
50.8597


 42.0283, 25.5453,  
50.8597


345.5899,  
280.5428, 406.8494


 29.3147, 16.4838,  
35.7210


 77.5073, 52.5405,  
92.8567


 19.4645, 9.8671,  
23.9308

 101.0035, 71.2430,  
120.5522

 12.1124, 5.3110,  
15.0706


 128.8245, 93.9279,  
153.2702

 6.8930, 2.4308,  
8.7218

 161.3357,  
120.9796, 191.4295

 3.4410, 0.8417,  
4.4658

198.9025,  
152.7826, 235.4485

 1.3910, 0.0000,  
1.8842

241.8902,

 0.2498, 0.0000,

189.7212, 285.7458

0.4827

290.6642,  
232.1798, 342.7399

■ 0.0000, 0.0000,  
0.0000

■ 42.0283, 25.5453,  
50.8597

■ 42.0283, 25.5453,  
50.8597

■ 39.9916, 22.3402,  
47.5026

■ 44.6265, 29.8414,  
54.5000

■ 38.4622, 20.1196,  
44.4091

■ 47.8287, 35.3147,  
58.4382

■ 37.3795, 18.7618,  
41.5583

■ 51.6763, 42.0470,  
62.6890

■ 36.6865, 18.0842,  
39.1436

■ 56.2061, 50.1118,  
67.2657

■ 61.4521, 59.5768,  
72.1805

■ 67.4461, 70.5052,  
77.4450

■ 74.2177, 82.9562,  
83.0699

■ 79.5190, 92.4332,  
88.3067

■ 80.2433, 92.7229,  
92.1208

# Harmonies

## Analogous

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



34.9625, 25.5453, 83.7202



42.0283, 25.5453, 50.8597



43.9123, 25.5453, 23.2588

# Triad

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



42.0283, 25.5453, 50.8597



22.6323, 25.5453, 2.6041



13.5082, 25.5453, 64.4226

# Complementary

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



42.0283, 25.5453, 50.8597



32.6431, 54.4501, 25.6212

# 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.



11.5946, 25.5453, 32.9293



42.0283, 25.5453, 50.8597



16.0307, 25.5453, 4.7848

# Square

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



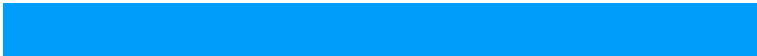
42.0283, 25.5453, 50.8597



31.3684, 25.5453, 3.4410



12.3993, 25.5453, 13.0561



18.3490, 25.5453, 94.1980



# Rectangle

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



42.0283, 25.5453, 50.8597



41.6714, 25.5453, 12.1566



12.3993, 25.5453, 13.0561



12.5586, 25.5453, 53.1741

# Sweetspot

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



42.0291, 25.5465, 50.8602



80.4520, 73.4648, 95.8312



23.3220, 15.4714, 69.4679



16.7835, 14.9404, 20.0917



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.



42.0291, 25.5465, 50.8602



55.2341, 30.2479, 65.1704



36.4801, 23.3269, 21.6392



13.4788, 13.2206, 15.7826



21.5754, 10.6312, 23.2078



1.4298, 0.7015, 1.6721



# Inverse Universe

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



42.0291, 25.5465, 50.8602



55.2341, 30.2479, 65.1704



37.8790, 56.5445, 53.1931



13.4788, 13.2206, 15.7826



21.5754, 10.6312, 23.2078



1.4298, 0.7015, 1.6721



# Previews

## White Background



This preview shows how the XYZ color 42.0283, 25.5453, 50.8597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

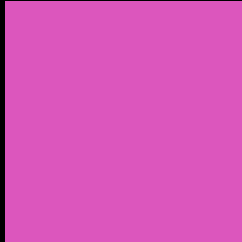
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.0283, 25.5453, 50.8597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

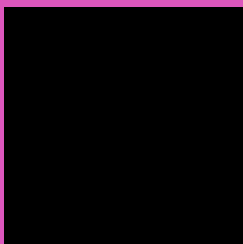
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.0283, 25.5453, 50.8597**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0283, 25.5453, 50.8597.



This preview shows how white text looks on a background with the XYZ color 42.0283, 25.5453,



# 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

42.0283, 25.5453, 50.8597

### Protanopia

28.3138, 26.0322, 77.6612

### Deuteranopia

26.3506, 25.6903, 47.2860



## Tritanopia

35.2860, 25.4974, 18.6845

# Trichromacy



## Original Color

42.0283, 25.5453, 50.8597



## Protanomaly

30.1176, 23.7412, 66.6135



## Deuteranomaly

30.2344, 24.2041, 48.4257



## Tritanomaly

37.2939, 25.2938, 28.1159

# Monochromacy



## Original Color

42.0283, 25.5453, 50.8597



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

28.8311, 23.9528, 35.0021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0283, 25.5453, 50.8597 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(220, 86, 189)` looks like.

```
.text, #text, p{  
    color:rgb(220, 86, 189)  
}
```

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(220, 86, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 86, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0283, 25.5453, 50.8597 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(220, 86, 189) }
```



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

```
.border{ border-color:rgb(220, 86, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 86, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 86, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 86, 189);  
box-shadow:4px 4px 4px 4px rgb(220, 86,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0283, 25.5453, 50.8597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 86, 189) }
```

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

```
.background{ background-color: rgb(220, 86,  
189) }
```

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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