

# Converting Colors

XYZ(41.6379, 20.4889, 65.3785)

Have a look what the booklet for  
XYZ(41.6379, 20.4889, 65.3785)  
contains.

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# Color

**XYZ(41.6379, 20.4889,  
65.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB16D6
RGB	219, 22, 214
RGB Percent	86%, 9%, 84%
CMY	0.1412, 0.9137, 0.1608
CMYK	0.00, 0.90, 0.02, 0.14
HSL	302°, 82%, 47%
HSV	302°, 90%, 86%
XYZ	41.6379, 20.4889, 65.3785
YIQ	102.7910, 55.7800, 101.4760

# Conversions

## Conversions Part 2

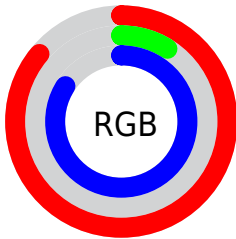
Format	Color
R <sub>YB</sub>	219, 22, 214
Decimal	14358230
CIE Lab	52.39, 84.98, -50.82
CIE LCh	52, 99.014, 329.117
Yxy	20.4889, 0.3266, 0.1607
Android (android.graphics.Color)	4292548310 (0xFFDB16D6)
YUV	102.7910, 54.8260, 101.9153
Hunter-Lab	45.2647, 84.9848, -53.9509

# Details

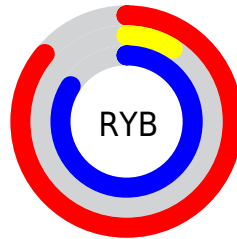
The XYZ color **41.6379, 20.4889, 65.3785** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **25.8612, 50.9137, 9.5024**, and the grayscale version is **12.6897, 13.3506, 14.5388**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **20.4696, 9.8396, 33.1681** is the 20% darker color. If you saturate the color by 10%, you get **41.2818, 19.8895, 64.9102**, and if you desaturate by 10%, it is **42.3203, 21.7391, 65.9570**.

# Distribution



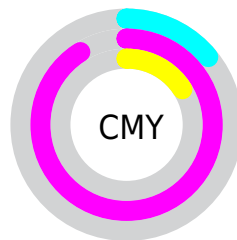
- Red (86%)
- Green (9%)
- Blue (84%)



- Red (86%)
- Yellow (9%)
- Blue (84%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (14%)




- Cyan (14%)
- Magenta (91%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6379, 20.4889, 65.3785 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 41.6379, 20.4889, 65.3785 by changing the saturation by 10% instead.





 41.6379, 20.4889,  
65.3785


 41.6379, 20.4889,  
65.3785

343.9969,  
254.5497, 462.4943


 29.0077, 12.7509,  
47.3148


 76.9199, 44.2354,  
114.2123


 19.2310, 7.2573,  
32.9284


 100.3025, 61.0126,  
145.8195

 11.9423, 3.6235,  
21.8010


 127.9999, 81.5718,  
182.7782

 6.7763, 1.4653,  
13.5138

 160.3775,  
106.2972, 225.5071

 3.3677, 0.2641,  
7.6484

 197.8006,  
135.5733, 274.4246

 1.3511, 0.0000,  
3.7863

240.6347,

 0.2209, 0.0000,

169.7845, 329.9492

1.5089

289.2450,  
209.3152, 392.4996

■ 0.0000, 0.0000,  
0.2245

■ 0.0000, 0.0000,  
0.0000

■ 41.6379, 20.4889,  
65.3785

■ 41.6379, 20.4889,  
65.3785

■ 41.2818, 19.8895,  
64.9102

■ 42.3203, 21.7391,  
65.9570

■ 41.2802, 19.8868,  
64.9077

■ 43.4317, 23.8477,  
66.6797

■ 45.0323, 26.9344,  
67.5666

■ 47.1725, 31.0996,  
68.6345

■ 49.8959, 36.4311,  
69.8980

■ 53.2420, 43.0076,  
71.3704

■ 57.2469, 50.9011,  
73.0635

■ 61.9437, 60.1782,  
74.9884

■ 67.3634, 70.9006,  
77.1556

# Harmonies

## Analogous

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



30.6691, 20.4889, 116.2407



41.6379, 20.4889, 65.3785



46.4244, 20.4889, 23.1863

# Triad

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



41.6379, 20.4889, 65.3785



19.7781, 20.4889, 0.0000



6.8687, 20.4889, 62.3542

# Complementary

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



41.6379, 20.4889, 65.3785



25.8612, 50.9137, 9.5024

# 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.



5.7046, 20.4889, 21.4540



41.6379, 20.4889, 65.3785



11.4007, 20.4889, 0.2670

# Square

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



41.6379, 20.4889, 65.3785



31.3836, 20.4889, 0.3737



7.0207, 20.4889, 4.1089



11.0381, 20.4889, 113.6570



# Rectangle

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



41.6379, 20.4889, 65.3785



44.5238, 20.4889, 8.5007



7.0207, 20.4889, 4.1089



6.1943, 20.4889, 46.2415

# Sweetspot

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



41.6387, 20.4899, 65.3789



76.6003, 63.5490, 101.3681



13.4820, 5.8996, 67.4469



16.0069, 12.8368, 21.5302



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.



41.6387, 20.4899, 65.3789



58.2650, 28.0700, 91.5827



32.7253, 16.9245, 18.4416



13.5994, 13.2688, 16.4175



24.4834, 11.7944, 38.5211



1.5908, 0.7659, 2.5199



# Inverse Universe

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



41.6387, 20.4899, 65.3789



58.2650, 28.0700, 91.5827



29.2882, 52.2845, 27.5485



13.5994, 13.2688, 16.4175



24.4834, 11.7944, 38.5211



1.5908, 0.7659, 2.5199



# Previews

## White Background



This preview shows how the XYZ color 41.6379, 20.4889, 65.3785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

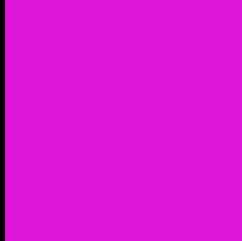
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6379, 20.4889, 65.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

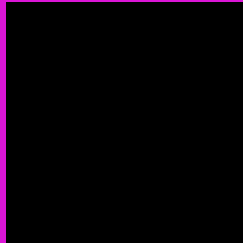
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.6379, 20.4889, 65.3785**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6379, 20.4889, 65.3785.



This preview shows how white text looks on a background with the XYZ color 41.6379, 20.4889,

65.3785.

# 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

41.6379, 20.4889, 65.3785

### Protanopia

25.2182, 21.0653, 97.3446

### Deuteranopia

21.4831, 20.9326, 58.1665



## Tritanopia

30.6697, 20.5327, 12.2443

# Trichromacy



## Original Color

41.6379, 20.4889, 65.3785



## Protanomaly

23.5928, 15.1680, 84.1223



## Deuteranomaly

24.1460, 16.3412, 60.2741



## Tritanomaly

33.0854, 19.1815, 25.2512

# Monochromacy



## Original Color

41.6379, 20.4889, 65.3785



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

19.0838, 12.9005, 27.4708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6379, 20.4889, 65.3785 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(219, 22, 214)` looks like.

```
.text, #text, p{  
    color:rgb(219, 22, 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(219, 22, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 22, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6379, 20.4889, 65.3785 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(219, 22, 214) }
```



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

```
.border{ border-color:rgb(219, 22, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 22, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 22, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 22, 214);  
box-shadow:4px 4px 4px 4px rgb(219, 22,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6379, 20.4889, 65.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 22, 214) }
```

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

```
.background{ background-color: rgb(219, 22,  
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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