

Converting Colors

XYZ(42.4311, 20.4009, 68.5403)

Have a look what the booklet for
XYZ(42.4311, 20.4009, 68.5403)
contains.

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Color

**XYZ(42.6050, 20.4866,
68.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	DD00DB
RGB	221, 0, 219
RGB Percent	87%, 0%, 86%
CMY	0.1333, 0.9999, 0.1412
CMYK	0.00, 1.00, 0.01, 0.13
HSL	301°, 100%, 43%
HSV	301°, 100%, 87%
XYZ	42.6050, 20.4866, 68.7266
YIQ	91.0450, 61.4170, 114.9610

Conversions

Conversions Part 2

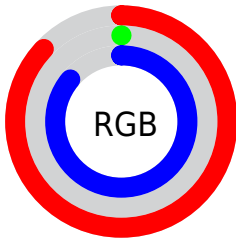
Format	Color
R_{YB}	221, 0, 219
Decimal	14483675
CIE _{Lab}	52.38, 87.90, -53.66
CIE _{LCh}	52, 102.987, 328.599
Yxy	20.4866, 0.3232, 0.1554
Android (android.graphics.Color)	4292673755 (0xFFDD00DB)
YUV	91.0450, 63.0818, 113.9705
Hunter-Lab	45.2621, 88.8124, -58.3432

Details

The XYZ color **42.6050, 20.4866, 68.7266** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **25.8684, 51.7184, 8.6776**, and the grayscale version is **9.8100, 10.3208, 11.2394**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.3088, 10.2214, 35.5002** is the 20% darker color. If you saturate the color by 10%, you get **42.6055, 20.4869, 68.7267**, and if you desaturate by 10%, it is **42.9213, 21.0763, 68.9622**.

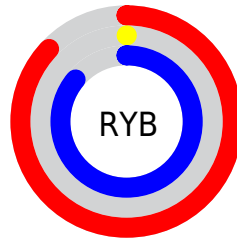
Distribution



Red (87%)

Green (0%)

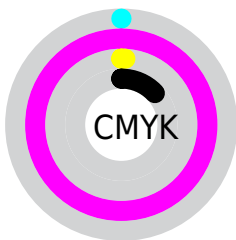
Blue (86%)



Red (87%)

Yellow (0%)

Blue (86%)

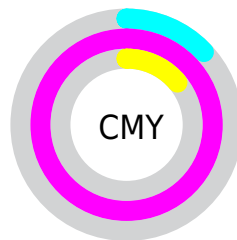


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6050, 20.4866, 68.7266 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 42.6050, 20.4866, 68.7266 by changing the saturation by 10% instead.


 42.6050, 20.4866,
68.7266


 42.6050, 20.4866,
68.7266

347.9339,
254.5373, 474.7339


 29.7685, 12.7492,
50.0187


 78.3739, 44.2315,
119.0550


 19.8101, 7.2561,
35.0570


 102.0370, 61.0079,
151.5126


 12.3646, 3.6228,
23.4229


 130.0396, 81.5660,
189.3906

 7.0664, 1.4649,
14.6978

 162.7472,
106.2903, 233.1073

 3.5504, 0.2638,
8.4633

 200.5251,
135.5652, 283.0815

 1.4511, 0.0000,
4.3008

 243.7386,

 0.2922, 0.0000,

169.7751, 339.7317

1.7918

292.7531,
209.3043, 403.4763

■ 0.0000, 0.0000,
0.4225

■ 0.0000, 0.0000,
0.0000

■ 42.6050, 20.4866,
68.7266

■ 42.6050, 20.4866,
68.7266

■ 42.6055, 20.4869,
68.7267

■ 42.9213, 21.0763,
68.9622

■ 43.5676, 22.3266,
69.3079

■ 44.6523, 24.4538,
69.7999

■ 46.2364, 27.5796,
70.4585

■ 48.3711, 31.8067,
71.3008

■ 51.1014, 37.2248,
72.3417

■ 54.4676, 43.9145,
73.5948

■ 58.5064, 51.9496,
75.0723

■ 63.2518, 61.3979,
76.7854

Harmonies

Analogous

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



30.9670, 20.4866, 123.0514



42.6050, 20.4866, 68.7266



47.8333, 20.4866, 23.7666

Triad

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



42.6050, 20.4866, 68.7266



19.9753, 20.4866, 0.0000



6.4869, 20.4866, 63.6166

Complementary

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



42.6050, 20.4866, 68.7266



25.8684, 51.7184, 8.6776

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.



5.3649, 20.4866, 20.9074



42.6050, 20.4866, 68.7266



11.2449, 20.4866, 0.0000

Square

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



42.6050, 20.4866, 68.7266



32.1598, 20.4866, 0.1686



6.7297, 20.4866, 3.6086



10.6560, 20.4866, 118.6426

Rectangle

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



42.6050, 20.4866, 68.7266



45.9296, 20.4866, 8.3747



6.7297, 20.4866, 3.6086



5.8262, 20.4866, 46.6260

Sweetspot

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



42.6058, 20.4876, 68.7270



75.1987, 60.4756, 101.7336



13.0521, 5.2214, 68.7276



15.6505, 12.0595, 21.6103



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.



42.6058, 20.4876, 68.7270



58.9204, 28.3321, 95.0335



32.6623, 16.5101, 16.3649



13.6091, 13.2727, 16.4685



24.7522, 11.9019, 39.9367



1.6052, 0.7717, 2.5961

Inverse Universe

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



42.6058, 20.4876, 68.7270



58.9204, 28.3321, 95.0335



28.6999, 52.8510, 23.5883



13.6091, 13.2727, 16.4685



24.7522, 11.9019, 39.9367



1.6052, 0.7717, 2.5961

Previews

White Background



This preview shows how the XYZ color 42.6050, 20.4866, 68.7266 looks on a white background.

Color Contrast Check

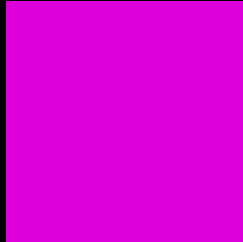
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6050, 20.4866, 68.7266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

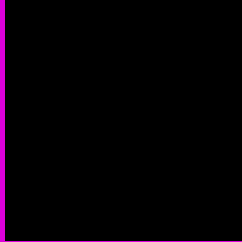
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6050, 20.4866, 68.7266

Background



This preview shows how black text looks on a background with the XYZ color 42.6050, 20.4866, 68.7266.



This preview shows how white text looks on a background with the XYZ color 42.6050, 20.4866,

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

42.6050, 20.4866, 68.7266

Protanopia

25.4615, 21.3721, 97.3910

Deuteranopia

21.8718, 21.2547, 61.3423



Tritanopia

30.9917, 20.6937, 12.4861

Trichromacy



Original Color

42.6050, 20.4866, 68.7266



Protanomaly

23.7884, 14.4563, 85.5409



Deuteranomaly

23.9062, 15.3338, 63.3277



Tritanomaly

33.1050, 18.5644, 25.8832

Monochromacy



Original Color

42.6050, 20.4866, 68.7266



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5817, 10.2644, 25.1520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6050, 20.4866, 68.7266 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(221, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 219)  
}
```

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(221, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 219) }
```

Border

The CSS property to change the border of an element to XYZ 42.6050, 20.4866, 68.7266 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(221, 0, 219) }
```


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

```
.border{ border-color:rgb(221, 0, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6050, 20.4866, 68.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 219) }
```

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

```
.background{ background-color: rgb(221, 0,  
219) }
```

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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