

Converting Colors

XYZ(42.2284, 20.8068, 56.7850)

Have a look what the booklet for
XYZ(42.2284, 20.8068, 56.7850)
contains.

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Color

**XYZ(42.3920, 20.8896,
57.0561)**

Conversions

Conversions Part 1

Format	Color
Hex	E30FC9
RGB	227, 15, 201
RGB Percent	89%, 6%, 79%
CMY	0.1098, 0.9411, 0.2118
CMYK	0.00, 0.93, 0.11, 0.11
HSL	307°, 88%, 47%
HSV	307°, 93%, 89%
XYZ	42.3920, 20.8896, 57.0561
YIQ	99.5920, 66.6460, 102.7900

Conversions

Conversions Part 2

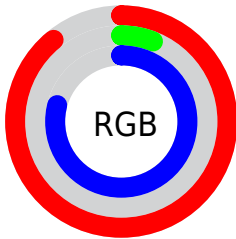
Format	Color
R _Y B	227, 15, 201
Decimal	14880713
CIE _{Lab}	52.83, 85.34, -42.57
CIE _{LCh}	53, 95.373, 333.489
Yxy	20.8896, 0.3523, 0.1736
Android (android.graphics.Color)	4293070793 (0xFFE30FC9)
YUV	99.5920, 49.9941, 111.7368
Hunter-Lab	45.7051, 85.5766, -42.0212

Details

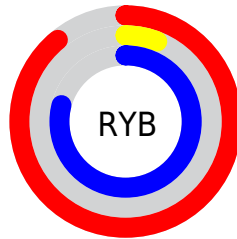
The XYZ color **42.3920, 20.8896, 57.0561** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **28.0677, 55.2008, 11.2763**, and the grayscale version is **11.8794, 12.4981, 13.6104**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **21.1247, 10.2908, 28.0671** is the 20% darker color. If you saturate the color by 10%, you get **42.0059, 20.4618, 55.8638**, and if you desaturate by 10%, it is **43.2367, 22.0495, 58.9686**.

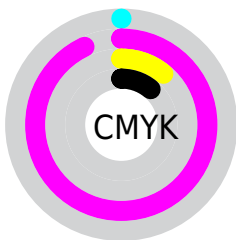
Distribution



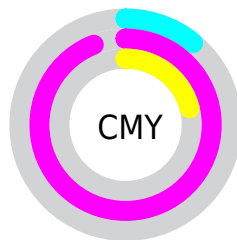
- Red (89%)
- Green (6%)
- Blue (79%)



- Red (89%)
- Yellow (6%)
- Blue (79%)



- Cyan (0%)
- Magenta (93%)
- Yellow (11%)
- Black (11%)





- Cyan (11%)
- Magenta (94%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3920, 20.8896, 57.0561 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 42.3920, 20.8896, 57.0561 by changing the saturation by 10% instead.

 42.3920, 20.8896,
57.0561


 42.3920, 20.8896,
57.0561


347.0694,
256.6912, 431.1591


 29.6008, 13.0433,
40.6406


 78.0540, 44.9037,
102.0482


 19.6824, 7.4584,
27.7208


 101.6555, 61.8404,
131.4619

 12.2713, 3.7504,
17.8781


 129.5912, 82.5759,
166.0454

 7.0022, 1.5349,
10.6940

 162.2264,
107.4948, 206.2173

 3.5098, 0.3131,
5.7499

 199.9265,
136.9814, 252.3960

 1.4288, 0.0000,
2.6273

243.0568,

 0.2766, 0.0000,

171.4200, 305.0002

0.9065

291.9826,
211.1952, 364.4484

■ 0.0000, 0.0000,
0.0000

■ 42.3920, 20.8896,
57.0561

■ 42.3920, 20.8896,
57.0561

■ 42.0059, 20.4618,
55.8638

■ 43.2367, 22.0495,
58.9686

■ 44.5273, 24.0921,
61.0591

■ 46.3347, 27.1587,
63.3515

■ 48.7167, 31.3649,
65.8651

■ 51.7234, 36.8108,
68.6169

■ 55.3994, 43.5856,
71.6218

■ 59.7852, 51.7702,
74.8935

■ 64.9182, 61.4392,
78.4446

■ 70.8329, 72.6619,
82.2867

Harmonies

Analogous

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



32.4057, 20.8896, 105.9864



42.3920, 20.8896, 57.0561



45.7571, 20.8896, 19.5684

Triad

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



42.3920, 20.8896, 57.0561



18.7123, 20.8896, 0.0000



7.7841, 20.8896, 68.4070

Complementary

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



42.3920, 20.8896, 57.0561



28.0677, 55.2008, 11.2763

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.



6.2188, 20.8896, 26.2485



42.3920, 20.8896, 57.0561



11.0526, 20.8896, 0.8070

Square

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



42.3920, 20.8896, 57.0561



29.6875, 20.8896, 0.4012



7.1764, 20.8896, 5.9977



12.4754, 20.8896, 115.5722

Rectangle

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



42.3920, 20.8896, 57.0561



43.1036, 20.8896, 7.1415



7.1764, 20.8896, 5.9977



6.9621, 20.8896, 52.3522

Sweetspot

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



42.3928, 20.8906, 57.0565



74.9692, 62.0437, 95.4079



14.9023, 6.3350, 73.1111



15.5332, 12.3241, 20.0318



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.



42.3928, 20.8906, 57.0565



54.6568, 26.6267, 72.5816



33.9747, 17.5234, 12.7273



14.9150, 14.5832, 17.7528



24.5272, 11.9451, 32.7346



1.8340, 0.8913, 2.5323

Inverse Universe

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



42.3928, 20.8906, 57.0565



54.6568, 26.6267, 72.5816



32.8354, 57.1079, 36.3829



14.9150, 14.5832, 17.7528



24.5272, 11.9451, 32.7346



1.8340, 0.8913, 2.5323

Previews

White Background



This preview shows how the XYZ color 42.3920, 20.8896, 57.0561 looks on a white background.

Color Contrast Check

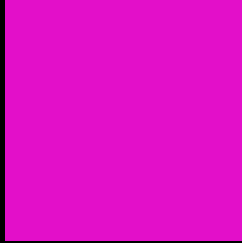
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3920, 20.8896, 57.0561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

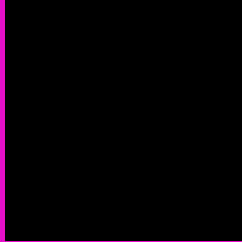
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.3920, 20.8896, 57.0561

Background



This preview shows how black text looks on a background with the XYZ color 42.3920, 20.8896, 57.0561.



This preview shows how white text looks on a background with the XYZ color 42.3920, 20.8896,

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

42.3920, 20.8896, 57.0561

Protanopia

25.7926, 21.7260, 97.4419

Deuteranopia

21.9017, 21.3052, 51.1021



Tritanopia

32.8273, 20.9921, 10.9160

Trichromacy



Original Color

42.3920, 20.8896, 57.0561



Protanomaly

23.8746, 15.2819, 80.2886



Deuteranomaly

24.8075, 16.6168, 52.3519



Tritanomaly

34.7601, 19.5763, 22.0252

Monochromacy



Original Color

42.3920, 20.8896, 57.0561



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

18.4975, 12.1734, 25.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3920, 20.8896, 57.0561 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(227, 15, 201)` looks like.

```
.text, #text, p{  
    color:rgb(227, 15, 201)  
}
```

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(227, 15, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 15, 201) }
```

Border

The CSS property to change the border of an element to XYZ 42.3920, 20.8896, 57.0561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

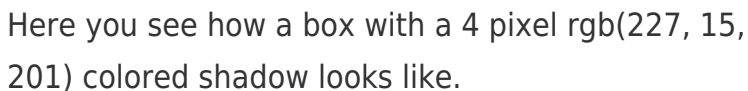
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 15, 201) }
```


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

```
.border{ border-color:rgb(227, 15, 201) }
```

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



Here you see how a box with a 4 pixel rgb(227, 15, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 15, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 15, 201);  
box-shadow:4px 4px 4px 4px rgb(227, 15,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3920, 20.8896, 57.0561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 15, 201) }
```

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

```
.background{ background-color: rgb(227, 15,  
201) }
```

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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