

Converting Colors

XYZ(42.1010, 19.8481, 85.8135)

Have a look what the booklet for
XYZ(42.1010, 19.8481, 85.8135)
contains.

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Color

**XYZ(42.0394, 19.8207,
85.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	D000F2
RGB	208, 0, 242
RGB Percent	82%, 0%, 95%
CMY	0.1843, 0.9999, 0.0510
CMYK	0.14, 1.00, 0.00, 0.05
HSL	292°, 100%, 47%
HSV	292°, 100%, 95%
XYZ	42.0394, 19.8207, 85.6145
YIQ	89.7800, 46.2860, 119.3580

Conversions

Conversions Part 2

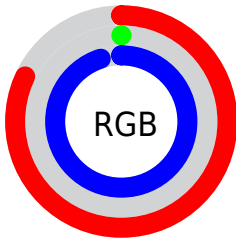
Format	Color
R _{YB}	208, 0, 242
Decimal	13631730
CIE Lab	51.63, 89.43, -67.99
CIE LCh	52, 112.340, 322.757
Yxy	19.8207, 0.2851, 0.1344
Android (android.graphics.Color)	4291821810 (0xFFD000F2)
YUV	89.7800, 75.0445, 103.6789
Hunter-Lab	44.5204, 90.6417, -82.8526

Details

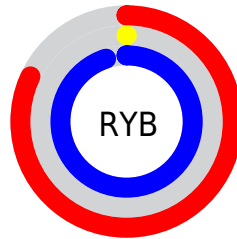
The XYZ color **42.0394, 19.8207, 85.6145** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.4128, 63.8450, 10.6157**, and the grayscale version is **9.5029, 9.9978, 10.8876**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.9697, 9.7987, 46.6850** is the 20% darker color. If you saturate the color by 10%, you get **42.0392, 19.8206, 85.6148**, and if you desaturate by 10%, it is **43.3377, 20.9817, 85.7705**.

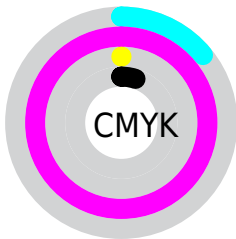
Distribution



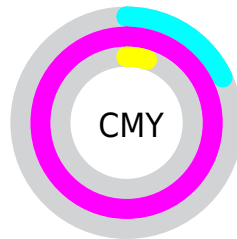
- Red (82%)
- Green (0%)
- Blue (95%)



- Red (82%)
- Yellow (0%)
- Blue (95%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (18%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0394, 19.8207, 85.6145 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 42.0394, 19.8207, 85.6145 by changing the saturation by 10% instead.


 42.0394, 19.8207,
85.6145

 42.0394, 19.8207,
85.6145

345.6351,
250.9428, 533.8567

 29.3234, 12.2648,
63.7962


 77.5240, 43.1164,
143.1132


 19.4711, 6.9243,
46.0405


 101.0234, 59.6249,
179.6306


 12.1172, 3.4148,
31.9289


 128.8479, 79.8864,
221.8849

 6.8963, 1.3519,
21.0428

 161.3629,
104.2854, 270.2944

 3.4431, 0.1809,
12.9637

 198.9337,
133.2061, 325.2778

 1.3922, 0.0000,
7.2732

 241.9258,

 0.2506, 0.0000,

167.0329, 387.2537

3.5525

290.7045,
206.1504, 456.6405

■ 0.0000, 0.0000,
1.3832

■ 0.0000, 0.0000,
0.1286

■ 42.0394, 19.8207,
85.6145

■ 42.0394, 19.8207,
85.6145

■ 42.0392, 19.8206,
85.6148

■ 43.3377, 20.9817,
85.7705

■ 45.0677, 22.9767,
86.0644

■ 47.3590, 26.0632,
86.5394

■ 50.2881, 30.3945,
87.2210

■ 53.9195, 36.0992,
88.1307

■ 58.3096, 43.2899,
89.2873

■ 63.5088, 52.0674,
90.7075

■ 69.5633, 62.5237,
92.4067

■ 76.5156, 74.7439,
94.3990

Harmonies

Analogous

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



28.5820, 19.8207, 145.3283



42.0394, 19.8207, 85.6145



49.7558, 19.8207, 30.4386

Triad

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



42.0394, 19.8207, 85.6145



21.7202, 19.8207, 0.0000



5.0469, 19.8207, 55.8178

Complementary

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



42.0394, 19.8207, 85.6145



32.4128, 63.8450, 10.6157

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.



4.4405, 19.8207, 14.6343



42.0394, 19.8207, 85.6145



11.6077, 19.8207, 0.0000

Square

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



42.0394, 19.8207, 85.6145



35.3322, 19.8207, 0.0000



6.2760, 19.8207, 1.5646



8.4934, 19.8207, 119.0519

Rectangle

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



42.0394, 19.8207, 85.6145



49.0638, 19.8207, 10.5303



6.2760, 19.8207, 1.5646



4.5808, 19.8207, 38.4927

Sweetspot

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



42.0403, 19.8215, 85.6149



71.4657, 58.5383, 102.1401



16.6680, 7.6922, 84.6110



14.7430, 11.5884, 21.7097



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.



42.0403, 19.8215, 85.6149



47.3152, 22.3067, 96.4196



42.7305, 21.3227, 33.9000



16.2232, 15.9123, 19.9379



22.6718, 10.6932, 45.9969



1.9455, 0.9202, 3.8293

Inverse Universe

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



36.9074, 18.9934, 3.2359



41.5558, 21.3863, 3.5931



33.3809, 64.1560, 19.1591



15.8632, 15.7950, 16.8361



19.8557, 10.2147, 1.8905



1.6797, 0.8609, 0.3040

Previews

White Background



This preview shows how the XYZ color 42.0394, 19.8207, 85.6145 looks on a white background.

Color Contrast Check

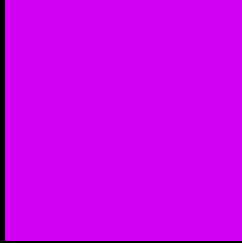
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0394, 19.8207, 85.6145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

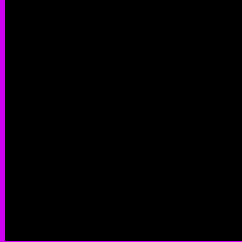
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0394, 19.8207, 85.6145

Background



This preview shows how black text looks on a background with the XYZ color 42.0394, 19.8207, 85.6145.



This preview shows how white text looks on a background with the XYZ color 42.0394, 19.8207,

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

42.0394, 19.8207, 85.6145

Protanopia

24.4461, 20.5248, 95.6017

Deuteranopia

21.0439, 20.5606, 73.3805



Tritanopia

27.7257, 20.0909, 14.9870

Trichromacy



Original Color

42.0394, 19.8207, 85.6145



Protanomaly

22.6638, 13.5449, 91.0425



Deuteranomaly

20.3467, 13.1909, 77.0750



Tritanomaly

30.3916, 17.4019, 31.8941

Monochromacy



Original Color

42.0394, 19.8207, 85.6145



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2468, 9.9571, 27.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0394, 19.8207, 85.6145 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(208, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(208, 0, 242)  
}
```

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(208, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.0394, 19.8207, 85.6145 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(208, 0, 242) }
```


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

```
.border{ border-color:rgb(208, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(208, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(208, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0394, 19.8207, 85.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 0, 242) }
```

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

```
.background{ background-color: rgb(208, 0,  
242) }
```

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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