

Converting Colors

XYZ(42.2280, 20.5099, 96.3409)

Have a look what the booklet for
XYZ(42.2280, 20.5099, 96.3409)
contains.

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Color

**XYZ(42.1470, 20.4498,
96.3336)**

Conversions

Conversions Part 1

Format	Color
Hex	C721FF
RGB	199, 33, 255
RGB Percent	78%, 13%, 100%
CMY	0.2196, 0.8706, 0.0000
CMYK	0.22, 0.87, 0.00, 0.00
HSL	285°, 100%, 56%
HSV	285°, 87%, 100%
XYZ	42.1470, 20.4498, 96.3336
YIQ	107.9420, 27.6740, 104.2340

Conversions

Conversions Part 2

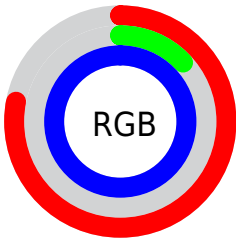
Format	Color
R _Y B	199, 33, 255
Decimal	13050367
CIE Lab	52.34, 86.70, -74.17
CIE LCh	52, 114.100, 319.455
Yxy	20.4498, 0.2652, 0.1287
Android (android.graphics.Color)	4291240447 (0xFFC721FF)
YUV	107.9420, 72.4996, 79.8579
Hunter-Lab	45.2215, 87.2268, -94.6483

Details

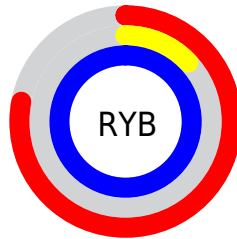
The XYZ color **42.1470, 20.4498, 96.3336** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **40.1548, 73.7539, 13.5589**, and the grayscale version is **14.0373, 14.7683, 16.0827**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **20.7255, 9.5202, 53.5685** is the 20% darker color. If you saturate the color by 10%, you get **40.0144, 18.6640, 96.1013**, and if you desaturate by 10%, it is **44.8857, 23.3385, 96.7468**.

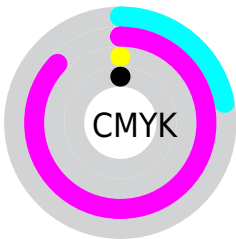
Distribution



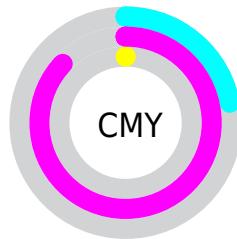
- Red (78%)
- Green (13%)
- Blue (100%)



- Red (78%)
- Yellow (13%)
- Blue (100%)



- Cyan (22%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1470, 20.4498, 96.3336 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 42.1470, 20.4498, 96.3336 by changing the saturation by 10% instead.

42.1470, 20.4498,
96.3336

42.1470, 20.4498,
96.3336

346.0732,
254.3398, 569.5186

29.4080, 12.7224,
72.6424

77.6858, 44.1700,
158.1171

19.5355, 7.2377,
53.1936

101.2164, 60.9317,
197.0466

12.1642, 3.6112,
37.5685

129.0749, 81.4735,
241.8925

6.9286, 1.4585,
25.3488

161.6266,
106.1800, 293.0735

3.4634, 0.2593,
16.1157

199.2369,
135.4355, 351.0081

1.4033, 0.0000,
9.4508

242.2712,

0.2586, 0.0000,

169.6243, 416.1147

4.9356

291.0949,
209.1310, 488.8121

■ 0.0000, 0.0000,
2.1514

■ 0.0000, 0.0000,
0.6461

■ 42.1470, 20.4498,
96.3336

■ 42.1470, 20.4498,
96.3336

■ 40.0144, 18.6640,
96.1013

■ 44.8857, 23.3385,
96.7468

■ 39.4547, 18.2545,
96.0517

■ 48.3340, 27.5390,
97.3758

■ 52.5760, 33.2173,
98.2483

■ 57.6827, 40.5142,
99.3876

63.7168, 49.5538,
100.8143

70.7348, 60.4479,
102.5472

78.7885, 73.2988,
104.6032

87.9259, 88.2014,
106.9981

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.9718, 20.4498, 155.8919



42.1470, 20.4498, 96.3336



51.1697, 20.4498, 36.3253

Triad

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



42.1470, 20.4498, 96.3336



23.8701, 20.4498, 0.0000



4.9717, 20.4498, 51.5062

Complementary

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



42.1470, 20.4498, 96.3336



40.1548, 73.7539, 13.5589

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.



4.6146, 20.4498, 12.4028



42.1470, 20.4498, 96.3336



12.8430, 20.4498, 0.0000

Square

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



42.1470, 20.4498, 96.3336



38.1254, 20.4498, 0.2475



6.8301, 20.4498, 1.1328



8.1416, 20.4498, 116.4594

Rectangle

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



42.1470, 20.4498, 96.3336



51.3120, 20.4498, 13.2410



6.8301, 20.4498, 1.1328



4.5861, 20.4498, 34.6724

Sweetspot

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



42.1479, 20.4505, 96.3336



71.5358, 61.7112, 102.7489



22.5223, 15.2332, 96.3610



14.7586, 12.3394, 21.8538



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.



42.1479, 20.4505, 96.3336



39.4547, 18.2545, 96.0517



52.5876, 26.6695, 59.0019



18.3190, 18.0562, 22.7696



20.7605, 9.6129, 50.1959



2.1217, 0.9877, 4.8921

Inverse Universe

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



43.5874, 23.0694, 11.6076



42.1746, 21.6339, 6.8517



38.0194, 72.4962, 20.5431



18.1973, 18.0622, 19.6563



22.0873, 11.3242, 3.8443



2.1923, 1.1193, 0.5939

Previews

White Background



This preview shows how the XYZ color 42.1470, 20.4498, 96.3336 looks on a white background.

Color Contrast Check

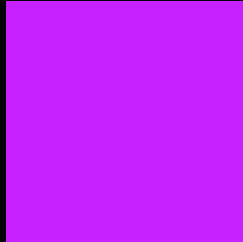
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1470, 20.4498, 96.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

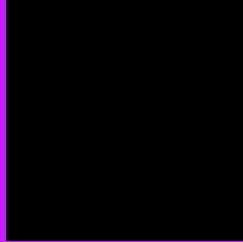
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1470, 20.4498, 96.3336

Background



This preview shows how black text looks on a background with the XYZ color 42.1470, 20.4498, 96.3336.



This preview shows how white text looks on a background with the XYZ color 42.1470, 20.4498,

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

42.1470, 20.4498, 96.3336

Protanopia

24.8874, 20.8947, 97.3291

Deuteranopia

21.0385, 20.7661, 72.7114



Tritanopia

26.0796, 20.3132, 17.5852

Trichromacy



Original Color

42.1470, 20.4498, 96.3336



Protanomaly

24.2949, 15.7425, 96.3659



Deuteranomaly

21.5822, 15.2046, 80.3945



Tritanomaly

29.5849, 18.5322, 36.6681

Monochromacy



Original Color

42.1470, 20.4498, 96.3336



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.3600, 14.1208, 35.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1470, 20.4498, 96.3336 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(199, 33, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 33, 255)  
}
```

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(199, 33, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 33, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1470, 20.4498, 96.3336 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(199, 33, 255) }
```


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

```
.border{ border-color:rgb(199, 33, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 33, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 33, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 33, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 33,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1470, 20.4498, 96.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 33, 255) }
```

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

```
.background{ background-color: rgb(199, 33,  
255) }
```

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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