

Converting Colors

XYZ(41.8241, 20.8142, 96.4209)

Have a look what the booklet for
XYZ(41.8241, 20.8142, 96.4209)
contains.

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Color

**XYZ(41.7156, 20.7571,
96.4156)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C42CFF |
| RGB | 196, 44, 255 |
| RGB Percent | 77%, 17%, 100% |
| CMY | 0.2314, 0.8274, 0.0000 |
| CMYK | 0.23, 0.83, 0.00, 0.00 |
| HSL | 283°, 100%, 59% |
| HSV | 283°, 83%, 100% |
| XYZ | 41.7156, 20.7571, 96.4156 |
| YIQ | 113.5020, 22.8610, 97.8450 |

Conversions

Conversions Part 2

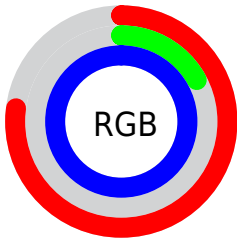
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 196, 44, 255 |
| Decimal | 12856575 |
| CIE _{Lab} | 52.68, 83.93, -73.64 |
| CIE _{LCh} | 53, 111.654, 318.738 |
| Y _{xy} | 20.7571, 0.2625, 0.1306 |
| Android (android.graphics.Color) | 4291046655 (0xFFC42CFF) |
| Y _{UV} | 113.5020, 69.7585, 72.3507 |
| Hunter-Lab | 45.5600, 83.7082, -93.5796 |

Details

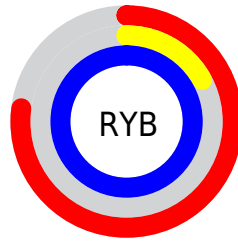
The XYZ color **41.7156, 20.7571, 96.4156** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **41.8084, 74.5856, 14.5763**, and the grayscale version is **15.6406, 16.4551, 17.9196**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **20.2314, 9.2655, 53.5454** is the 20% darker color. If you saturate the color by 10%, you get **39.2293, 18.4717, 96.1055**, and if you desaturate by 10%, it is **44.8741, 24.2538, 96.9241**.

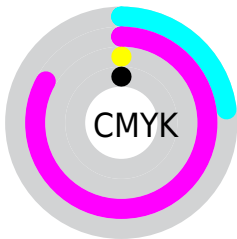
Distribution



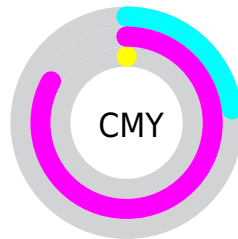
- Red (77%)
- Green (17%)
- Blue (100%)



- Red (77%)
- Yellow (17%)
- Blue (100%)



- Cyan (23%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7156, 20.7571, 96.4156 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 41.7156, 20.7571, 96.4156 by changing the saturation by 10% instead.

 41.7156, 20.7571,
96.4156

 41.7156, 20.7571,
96.4156


344.3144,
255.9848, 569.7867


 29.0688, 12.9466,
72.7104

 77.0369, 44.6829,
158.2312


 19.2774, 7.3918,
53.2488


 100.4421, 61.5670,
197.1787

 11.9761, 3.7083,
37.6123


 128.1641, 82.2444,
242.0440

 6.7995, 1.5118,
25.3824

 160.5683,
107.0995, 293.2456

 3.3822, 0.2970,
16.1406

 198.0201,
136.5167, 351.2022

 1.3590, 0.0000,
9.4683

240.8848,

 0.2267, 0.0000,

170.8804, 416.3322

4.9469

289.5278,
210.5749, 489.0542

■ 0.0000, 0.0000,
2.1579

■ 0.0000, 0.0000,
0.6499

■ 41.7156, 20.7571,
96.4156

■ 41.7156, 20.7571,
96.4156

■ 39.2293, 18.4717,
96.1055

■ 44.8741, 24.2538,
96.9241

■ 37.7450, 17.3732,
95.9717

■ 48.7960, 29.1456,
97.6616

■ 53.5596, 35.5867,
98.6538

■ 59.2326, 43.7103,
99.9228

65.8748, 53.6347,
101.4883

73.5409, 65.4677,
103.3682

82.2813, 79.3083,
105.5791

92.1429, 95.2486,
108.1361

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.



27.8037, 20.7571, 153.2904



41.7156, 20.7571, 96.4156



50.7180, 20.7571, 37.5266

Triad

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



41.7156, 20.7571, 96.4156



24.4176, 20.7571, 0.0000



5.2409, 20.7571, 49.9862

Complementary

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



41.7156, 20.7571, 96.4156



41.8084, 74.5856, 14.5763

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.



4.9358, 20.7571, 12.2735



41.7156, 20.7571, 96.4156



13.3918, 20.7571, 0.0000

Square

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



41.7156, 20.7571, 96.4156



38.4163, 20.7571, 0.4825



7.2568, 20.7571, 1.2223



8.3654, 20.7571, 112.7647

Rectangle

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



41.7156, 20.7571, 96.4156



51.0392, 20.7571, 14.2138



7.2568, 20.7571, 1.2223



4.8683, 20.7571, 33.7703

Sweetspot

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



41.7165, 20.7579, 96.4157



71.7188, 62.6253, 102.9157



24.0178, 17.6133, 96.7416



14.7666, 12.5002, 21.8844



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.



41.7165, 20.7579, 96.4157



37.9436, 17.5166, 95.9889



53.6847, 27.6793, 63.0195



18.2685, 18.0301, 22.7673



19.8754, 9.1566, 50.1544



2.0416, 0.9464, 4.8883

Inverse Universe

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



44.5891, 24.0410, 15.1227



42.4749, 21.7982, 8.2962



38.6325, 72.7890, 21.6241



18.2181, 18.0706, 19.7656



22.2024, 11.3703, 4.4503



2.2059, 1.1247, 0.6656

Previews

White Background



This preview shows how the XYZ color 41.7156, 20.7571, 96.4156 looks on a white background.

Color Contrast Check

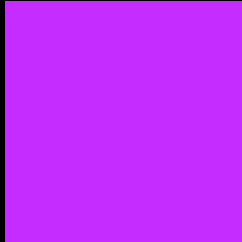
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7156, 20.7571, 96.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

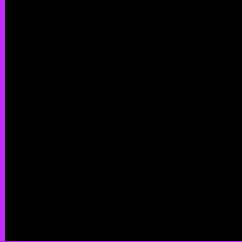
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7156, 20.7571, 96.4156

Background



This preview shows how black text looks on a background with the XYZ color 41.7156, 20.7571, 96.4156.



This preview shows how white text looks on a background with the XYZ color 41.7156, 20.7571,

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

41.7156, 20.7571, 96.4156

Protanopia

25.2781, 21.2775, 97.3824

Deuteranopia

21.4409, 21.1368, 74.1839



Tritanopia

25.6469, 20.5216, 18.5289

Trichromacy



Original Color

41.7156, 20.7571, 96.4156



Protanomaly

25.6200, 17.0644, 96.5512



Deuteranomaly

22.1065, 16.1311, 81.3053



Tritanomaly

29.1762, 18.8482, 37.6976

Monochromacy



Original Color

41.7156, 20.7571, 96.4156



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.8655, 15.7907, 37.4928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7156, 20.7571, 96.4156 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(196, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 44, 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(196, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 44, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.7156, 20.7571, 96.4156 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(196, 44, 255) }
```


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

```
.border{ border-color:rgb(196, 44, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 44, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 44,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7156, 20.7571, 96.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 44, 255) }
```

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

```
.background{ background-color: rgb(196, 44,  
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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