

Converting Colors

XYZ(42.7979, 20.6416, 96.3363)

Have a look what the booklet for
XYZ(42.7979, 20.6416, 96.3363)
contains.

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Color

**XYZ(42.8465, 20.6553,
96.3363)**

Conversions

Conversions Part 1

Format	Color
Hex	CA1DFF
RGB	202, 29, 255
RGB Percent	79%, 11%, 100%
CMY	0.2078, 0.8862, 0.0000
CMYK	0.21, 0.89, 0.00, 0.00
HSL	286°, 100%, 56%
HSV	286°, 89%, 100%
XYZ	42.8465, 20.6553, 96.3363
YIQ	106.4910, 30.5620, 106.9620

Conversions

Conversions Part 2

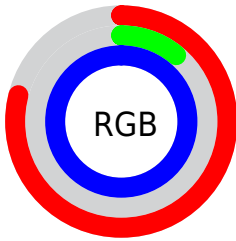
Format	Color
R _Y B	202, 29, 255
Decimal	13245951
CIE Lab	52.57, 87.82, -73.78
CIE LCh	53, 114.697, 319.966
Yxy	20.6553, 0.2681, 0.1292
Android (android.graphics.Color)	4291436031 (0xFFCA1DFF)
YUV	106.4910, 73.2149, 83.7614
Hunter-Lab	45.4481, 88.7479, -93.8633

Details

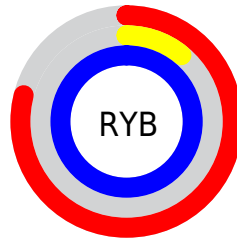
The XYZ color **42.8465, 20.6553, 96.3363** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **39.4620, 73.4028, 13.2512**, and the grayscale version is **13.6353, 14.3454, 15.6221**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **21.2334, 9.7820, 53.5923** is the 20% darker color. If you saturate the color by 10%, you get **40.8590, 19.0350, 96.1284**, and if you desaturate by 10%, it is **45.4005, 23.3133, 96.7148**.

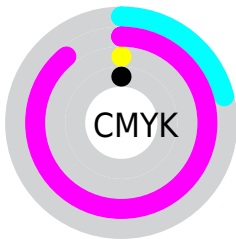
Distribution



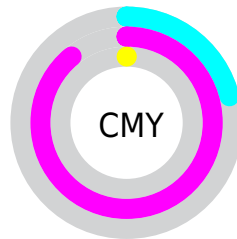
- Red (79%)
- Green (11%)
- Blue (100%)



- Red (79%)
- Yellow (11%)
- Blue (100%)



- Cyan (21%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8465, 20.6553, 96.3363 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 42.8465, 20.6553, 96.3363 by changing the saturation by 10% instead.


 42.8465, 20.6553,
96.3363


 42.8465, 20.6553,
96.3363


348.9123,
255.4409, 569.5275


 29.9587, 12.8723,
72.6447


 78.7363, 44.5131,
158.1209


 19.9552, 7.3407,
53.1954


 102.4691, 61.3568,
197.0509


 12.4705, 3.6760,
37.5700


 130.5475, 81.9894,
241.8975

 7.1394, 1.4940,
25.3499

 163.3369,
106.7953, 293.0792

 3.5966, 0.2845,
16.1165

 201.2028,
136.1591, 351.0144

 1.4765, 0.0000,
9.4514

244.5104,

 0.3098, 0.0000,

170.4650, 416.1219

4.9360

293.6252,
210.0975, 488.8201

■ 0.0000, 0.0000,
2.1517

■ 0.0000, 0.0000,
0.6463

■ 42.8465, 20.6553,
96.3363

■ 42.8465, 20.6553,
96.3363

■ 40.8590, 19.0350,
96.1284

■ 45.4005, 23.3133,
96.7148

■ 40.6075, 18.8488,
96.1057

■ 48.6399, 27.2490,
97.3037

■ 52.6514, 32.6337,
98.1316

■ 57.5072, 39.6110,
99.2225

■ 63.2710, 48.3073,
100.5972

■ 70.0001, 58.8360,
102.2748

■ 77.7467, 71.3007,
104.2725

■ 86.5591, 85.7973,
106.6061

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.



28.5163, 20.6553, 157.1639



42.8465, 20.6553, 96.3363



51.8340, 20.6553, 35.9316

Triad

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



42.8465, 20.6553, 96.3363



23.8899, 20.6553, 0.0000



5.0330, 20.6553, 53.0627

Complementary

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



42.8465, 20.6553, 96.3363



39.4620, 73.4028, 13.2512

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.



4.6309, 20.6553, 12.9044



42.8465, 20.6553, 96.3363



12.8164, 20.6553, 0.0000

Square

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



42.8465, 20.6553, 96.3363



38.3093, 20.6553, 0.1971



6.8172, 20.6553, 1.1950



8.2949, 20.6553, 119.0539

Rectangle

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



42.8465, 20.6553, 96.3363



51.8430, 20.6553, 12.9576



6.8172, 20.6553, 1.1950



4.6291, 20.6553, 35.8264

Sweetspot

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



42.8475, 20.6561, 96.3365



71.1879, 60.7264, 102.5771



21.8454, 14.0583, 96.1699



14.7094, 12.1601, 21.8218



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.



42.8475, 20.6561, 96.3365



40.6075, 18.8488, 96.1057



51.9306, 26.2395, 56.0579



18.3518, 18.0731, 22.7712



21.3568, 9.9203, 50.2238



2.1753, 1.0153, 4.8946

Inverse Universe

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



43.2027, 22.7484, 10.0975



42.0503, 21.5841, 6.1971



37.9268, 72.4453, 20.6845



18.1839, 18.0569, 19.5856



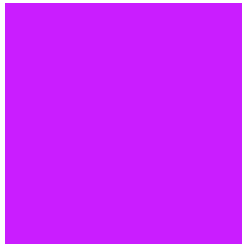
22.0196, 11.2971, 3.4875



2.1840, 1.1160, 0.5504

Previews

White Background



This preview shows how the XYZ color 42.8465, 20.6553, 96.3363 looks on a white background.

Color Contrast Check

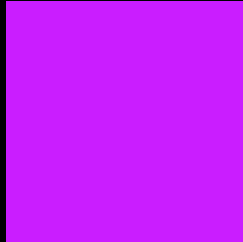
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8465, 20.6553, 96.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

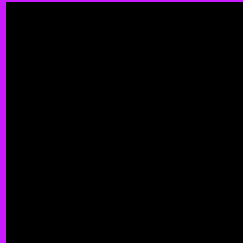
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8465, 20.6553, 96.3363

Background



This preview shows how black text looks on a background with the XYZ color 42.8465, 20.6553, 96.3363.



This preview shows how white text looks on a background with the XYZ color 42.8465, 20.6553,

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

42.8465, 20.6553, 96.3363

Protanopia

25.2407, 21.2582, 97.3807

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

26.6219, 20.4523, 17.2964

Trichromacy



Original Color

42.8465, 20.6553, 96.3363



Protanomaly

25.1959, 16.0843, 96.3843



Deuteranomaly

21.7151, 15.1269, 81.1321



Tritanomaly

30.1132, 18.4953, 36.6331

Monochromacy



Original Color

42.8465, 20.6553, 96.3363



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.0541, 13.6496, 34.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8465, 20.6553, 96.3363 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(202, 29, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 29, 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(202, 29, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 29, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8465, 20.6553, 96.3363 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(202, 29, 255) }
```


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

```
.border{ border-color:rgb(202, 29, 255) }
```

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

Here you see how a box with a 4 pixel rgb(202, 29, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 29, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 29, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 29,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8465, 20.6553, 96.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 29, 255) }
```

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

```
.background{ background-color: rgb(202, 29,  
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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