

Converting Colors

XYZ(43.2957, 20.2346, 96.2315)

Have a look what the booklet for
XYZ(43.2957, 20.2346, 96.2315)
contains.

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Color

**XYZ(43.2268, 20.1991,
96.2283)**

Conversions

Conversions Part 1

Format	Color
Hex	CD00FF
RGB	205, 0, 255
RGB Percent	80%, 0%, 100%
CMY	0.1961, 0.9999, 0.0000
CMYK	0.20, 1.00, 0.00, 0.00
HSL	288°, 100%, 50%
HSV	288°, 100%, 100%
XYZ	43.2268, 20.1991, 96.2283
YIQ	90.3650, 40.3250, 122.7650

Conversions

Conversions Part 2

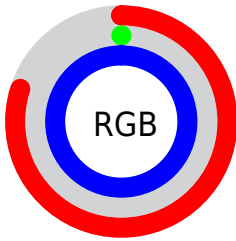
Format	Color
R _Y B	205, 0, 255
Decimal	13435135
CIE Lab	52.06, 91.14, -74.58
CIE LCh	52, 117.769, 320.706
Yxy	20.1991, 0.2708, 0.1265
Android (android.graphics.Color)	4291625215 (0xFFCD00FF)
YUV	90.3650, 81.1651, 100.5349
Hunter-Lab	44.9434, 93.0312, -95.4854

Details

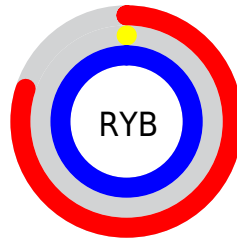
The XYZ color **43.2268, 20.1991, 96.2283** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.0762, 72.1985, 11.9821**, and the grayscale version is **9.6198, 10.1208, 11.0216**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **21.5796, 9.9605, 53.6085** is the 20% darker color. If you saturate the color by 10%, you get **43.2267, 20.1990, 96.2282**, and if you desaturate by 10%, it is **44.9879, 21.6396, 96.4135**.

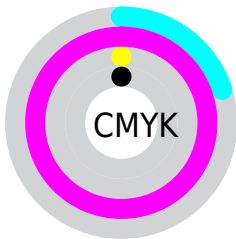
Distribution



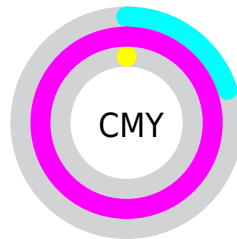
- Red (80%)
- Green (0%)
- Blue (100%)



- Red (80%)
- Yellow (0%)
- Blue (100%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2268, 20.1991, 96.2283 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 43.2268, 20.1991, 96.2283 by changing the saturation by 10% instead.


 43.2268, 20.1991,
96.2283

 43.2268, 20.1991,
96.2283

350.4494,
252.9909, 569.1743

 30.2584, 12.5399,
72.5552


 79.3066, 43.7507,
157.9706


 20.1838, 7.1125,
53.1227


 103.1487, 60.4119,
196.8769


 12.6378, 3.5325,
37.5123


 131.3460, 80.8425,
241.6980

 7.2549, 1.4157,
25.3055

 164.2640,
105.4270, 292.8524

 3.6698, 0.2282,
16.0837

 202.2680,
134.5496, 350.7587

 1.5171, 0.0000,
9.4284

 245.7233,

 0.3374, 0.0000,

168.5949, 415.8354

4.9211

294.9953,
207.9472, 488.5011

■ 0.0000, 0.0000,
2.1431

■ 0.0000, 0.0000,
0.6412

■ 43.2268, 20.1991,
96.2283

■ 43.2268, 20.1991,
96.2283

■ 43.2267, 20.1990,
96.2282

■ 44.9879, 21.6396,
96.4135

■ 47.2597, 24.0366,
96.7564

■ 50.1862, 27.6764,
97.3047

■ 53.8552, 32.7340,
98.0875

■ 58.3403, 39.3560,
99.1293

■ 63.7059, 47.6705,
100.4514

■ 70.0096, 57.7925,
102.0729

■ 77.3040, 69.8266,
104.0113

■ 85.6379, 83.8694,
106.2826

Harmonies

Analogous

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



28.5888, 20.1991, 160.2755



43.2268, 20.1991, 96.2283



52.2493, 20.1991, 34.5146

Triad

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



43.2268, 20.1991, 96.2283



23.1801, 20.1991, 0.0000



4.6758, 20.1991, 54.6959

Complementary

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



43.2268, 20.1991, 96.2283



37.0762, 72.1985, 11.9821

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.



4.2269, 20.1991, 12.9389



43.2268, 20.1991, 96.2283



12.1291, 20.1991, 0.0000

Square

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



43.2268, 20.1991, 96.2283



37.8793, 20.1991, 0.0000



6.2885, 20.1991, 1.0644



7.9632, 20.1991, 123.3448

Rectangle

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



43.2268, 20.1991, 96.2283



52.0568, 20.1991, 11.8433



6.2885, 20.1991, 1.0644



4.2631, 20.1991, 36.7301

Sweetspot

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



43.2277, 20.1999, 96.2283



70.0052, 57.7854, 102.0718



19.2346, 9.5889, 95.4448



14.3899, 11.4065, 21.6932



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.



43.2277, 20.1999, 96.2283



43.2267, 20.1990, 96.2282



49.3269, 24.4950, 44.5140



18.4231, 18.1099, 22.7745



22.7103, 10.6181, 50.2871



2.2962, 1.0776, 4.9003

Inverse Universe

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



41.8162, 21.4908, 4.9634



41.8157, 21.4903, 4.9618



37.0826, 72.0491, 18.8835



18.1549, 18.0453, 19.4330



21.8906, 11.2455, 2.8086



2.1676, 1.1094, 0.4640

Previews

White Background



This preview shows how the XYZ color 43.2268, 20.1991, 96.2283 looks on a white background.

Color Contrast Check

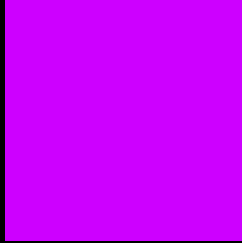
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.2268, 20.1991, 96.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

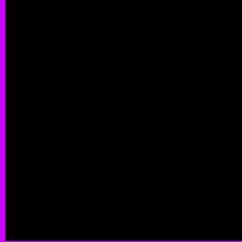
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.2268, 20.1991, 96.2283

Background



This preview shows how black text looks on a background with the XYZ color 43.2268, 20.1991, 96.2283.



This preview shows how white text looks on a background with the XYZ color 43.2268, 20.1991,

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

43.2268, 20.1991, 96.2283

Protanopia

24.9750, 20.9399, 97.3332

Deuteranopia

21.1737, 20.8202, 73.4237



Tritanopia

26.9782, 20.3662, 16.4191

Trichromacy



Original Color

43.2268, 20.1991, 96.2283



Protanomaly

23.9283, 14.1900, 96.0855



Deuteranomaly

20.8395, 13.3789, 80.0813



Tritanomaly

30.0046, 17.4465, 35.5043

Monochromacy



Original Color

43.2268, 20.1991, 96.2283



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.4839, 10.0338, 29.9221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2268, 20.1991, 96.2283 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(205, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 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(205, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.2268, 20.1991, 96.2283 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(205, 0, 255) }
```


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

```
.border{ border-color:rgb(205, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2268, 20.1991, 96.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 255) }
```

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

```
.background{ background-color: rgb(205, 0,  
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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