

Converting Colors

XYZ(44.3515, 21.2313, 96.3682)

Have a look what the booklet for
XYZ(44.3515, 21.2313, 96.3682)
contains.

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Color

**XYZ(44.3688, 21.2427,
96.3695)**

Conversions

Conversions Part 1

Format	Color
Hex	D017FF
RGB	208, 23, 255
RGB Percent	82%, 9%, 100%
CMY	0.1843, 0.9098, 0.0000
CMYK	0.18, 0.91, 0.00, 0.00
HSL	288°, 100%, 55%
HSV	288°, 91%, 100%
XYZ	44.3688, 21.2427, 96.3695
YIQ	104.7630, 35.7880, 111.3720

Conversions

Conversions Part 2

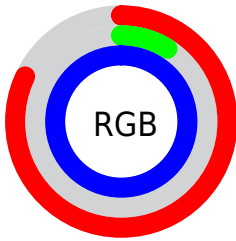
Format	Color
R _Y B	208, 23, 255
Decimal	13637631
CIE Lab	53.21, 89.53, -72.69
CIE LCh	53, 115.324, 320.927
Yxy	21.2427, 0.2739, 0.1311
Android (android.graphics.Color)	4291827711 (0xFFD017FF)
YUV	104.7630, 74.0668, 90.5388
Hunter-Lab	46.0898, 91.1776, -91.7070

Details

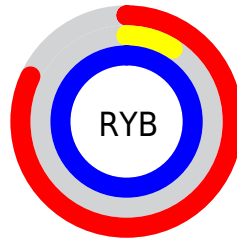
The XYZ color **44.3688, 21.2427, 96.3695** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **38.4412, 72.8843, 12.8533**, and the grayscale version is **13.1653, 13.8509, 15.0837**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **22.1107, 10.2343, 53.6334** is the 20% darker color. If you saturate the color by 10%, you get **42.7715, 19.9644, 96.2069**, and if you desaturate by 10%, it is **46.6175, 23.5473, 96.6958**.

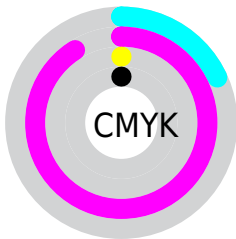
Distribution



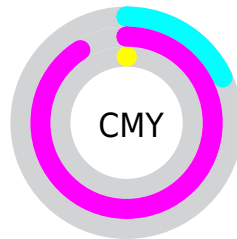
- Red (82%)
- Green (9%)
- Blue (100%)



- Red (82%)
- Yellow (9%)
- Blue (100%)



- Cyan (18%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3688, 21.2427, 96.3695 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 44.3688, 21.2427, 96.3695 by changing the saturation by 10% instead.

 44.3688, 21.2427,
96.3695


 44.3688, 21.2427,
96.3695


355.0380,
258.5655, 569.6360

 31.1597, 13.3015,
72.6722


 81.0153, 45.4911,
158.1671

 20.8729, 7.6365,
53.2178


 105.1835, 62.5671,
197.1044


 13.1431, 3.8632,
37.5877

 133.7353, 83.4569,
241.9588

 7.6048, 1.5974,
25.3635

 167.0363,
108.5448, 293.1489

 3.8928, 0.3558,
16.1266

 205.4517,
138.2152, 351.0931

 1.6417, 0.0000,
9.4585

249.3468,

 0.4193, 0.0000,

172.8525, 416.2099

4.9405

299.0872,
212.8412, 488.9181

■ 0.0000, 0.0000,
2.1543

■ 0.0000, 0.0000,
0.6478

■ 44.3688, 21.2427,
96.3695

■ 44.3688, 21.2427,
96.3695

■ 42.7715, 19.9644,
96.2069

■ 46.6175, 23.5473,
96.6958

■ 49.5131, 27.0761,
97.2243

■ 53.1463, 32.0085,
97.9849

■ 57.5918, 38.4933,
99.0023

■ 62.9148, 46.6604,
100.2981

■ 69.1736, 56.6256,
101.8917

■ 76.4213, 68.4947,
103.8007

■ 84.7069, 82.3650,
106.0412

■ 94.0761, 98.3271,
108.6284

Harmonies

Analogous

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



29.7614, 21.2427, 159.3093



44.3688, 21.2427, 96.3695



53.2607, 21.2427, 35.3975

Triad

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



44.3688, 21.2427, 96.3695



24.1125, 21.2427, 0.0000



5.2667, 21.2427, 56.2992

Complementary

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



44.3688, 21.2427, 96.3695



38.4412, 72.8843, 12.8533

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.



4.7721, 21.2427, 14.0848



44.3688, 21.2427, 96.3695



12.9290, 21.2427, 0.0000

Square

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



44.3688, 21.2427, 96.3695



38.8368, 21.2427, 0.1551



6.9224, 21.2427, 1.3813



8.7361, 21.2427, 124.0134

Rectangle

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



44.3688, 21.2427, 96.3695



53.0100, 21.2427, 12.6049



6.9224, 21.2427, 1.3813



4.8225, 21.2427, 38.3114

Sweetspot

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



44.3698, 21.2435, 96.3696



71.9339, 61.1110, 102.6120



20.8043, 12.2037, 95.8668



14.8874, 12.2518, 21.8301



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.



44.3698, 21.2435, 96.3696



42.7715, 19.9644, 96.2069



50.7613, 25.5591, 50.5559



18.4110, 18.1036, 22.7739



22.4752, 10.4969, 50.2761



2.2753, 1.0669, 4.8993

Inverse Universe

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



42.6524, 22.3156, 7.8552



41.8522, 21.5049, 5.1537



37.9060, 72.4192, 21.3749



18.1598, 18.0472, 19.4588



21.9108, 11.2536, 2.9147



2.1702, 1.1105, 0.4779

Previews

White Background



This preview shows how the XYZ color 44.3688, 21.2427, 96.3695 looks on a white background.

Color Contrast Check

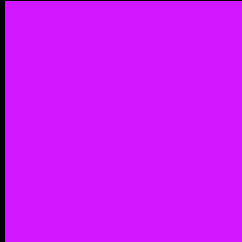
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.3688, 21.2427, 96.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

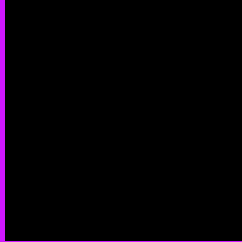
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.3688, 21.2427, 96.3695

Background



This preview shows how black text looks on a background with the XYZ color 44.3688, 21.2427, 96.3695.



This preview shows how white text looks on a background with the XYZ color 44.3688, 21.2427,

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

44.3688, 21.2427, 96.3695

Protanopia

25.7286, 21.6930, 97.4389

Deuteranopia

21.9862, 21.5667, 76.4028



Tritanopia

28.1530, 21.1029, 17.0574

Trichromacy



Original Color

44.3688, 21.2427, 96.3695



Protanomaly

26.2821, 16.5232, 96.4118



Deuteranomaly

22.1542, 15.1917, 82.6536



Tritanomaly

31.4098, 18.9758, 36.1896

Monochromacy



Original Color

44.3688, 21.2427, 96.3695



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

20.0166, 13.3210, 34.7739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3688, 21.2427, 96.3695 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, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 23, 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(208, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 23, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.3688, 21.2427, 96.3695 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, 23, 255) }
```


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

```
.border{ border-color:rgb(208, 23, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 23, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 23,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3688, 21.2427, 96.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 23, 255) }
```

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

```
.background{ background-color: rgb(208, 23,  
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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