

Converting Colors

XYZ(44.2577, 20.9642, 85.7204)

Have a look what the booklet for
XYZ(44.2577, 20.9642, 85.7204)
contains.

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Color

**XYZ(44.3459, 21.0097,
85.7224)**

Conversions

Conversions Part 1

Format	Color
Hex	D800F2
RGB	216, 0, 242
RGB Percent	85%, 0%, 95%
CMY	0.1529, 0.9999, 0.0510
CMYK	0.11, 1.00, 0.00, 0.05
HSL	294°, 100%, 47%
HSV	294°, 100%, 95%
XYZ	44.3459, 21.0097, 85.7224
YIQ	92.1720, 51.0540, 121.0540

Conversions

Conversions Part 2

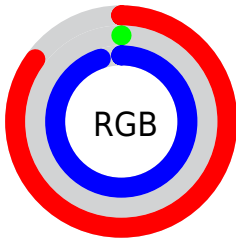
Format	Color
R_{YB}	216, 0, 242
Decimal	14156018
CIE _{Lab}	52.96, 90.56, -65.78
CIE _{LCh}	53, 111.927, 324.007
Yxy	21.0097, 0.2935, 0.1391
Android (android.graphics.Color)	4292346098 (0xFFD800F2)
YUV	92.1720, 73.8652, 108.5972
Hunter-Lab	45.8363, 92.4822, -78.7978

Details

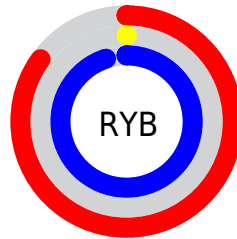
The XYZ color **44.3459, 21.0097, 85.7224** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.1790, 63.7245, 10.6047**, and the grayscale version is **10.0429, 10.5659, 11.5063**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.4673, 10.5707, 46.7551** is the 20% darker color. If you saturate the color by 10%, you get **44.3458, 21.0097, 85.7227**, and if you desaturate by 10%, it is **45.4522, 22.0718, 85.8694**.

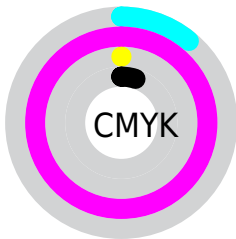
Distribution



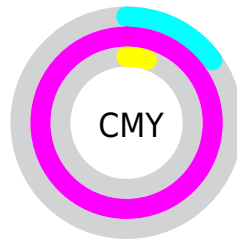
- Red (85%)
- Green (0%)
- Blue (95%)



- Red (85%)
- Yellow (0%)
- Blue (95%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (15%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3459, 21.0097, 85.7224 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 44.3459, 21.0097, 85.7224 by changing the saturation by 10% instead.


 44.3459, 21.0097,
85.7224


 44.3459, 21.0097,
85.7224

354.9464,
257.3300, 534.2222

 31.1416, 13.1311,
63.8849


 80.9811, 45.1037,
143.2652


 20.8591, 7.5189,
46.1118


 105.1427, 62.0878,
179.8075

 13.1329, 3.7887,
31.9848


 133.6875, 82.8760,
222.0884

 7.5978, 1.5561,
21.0852

 166.9809,
107.8525, 270.5266

 3.8883, 0.3277,
12.9944

 205.3880,
137.4017, 325.5405

 1.6391, 0.0000,
7.2940

 249.2744,

 0.4177, 0.0000,

171.9082, 387.5487

3.5654

299.0054,
211.7561, 456.9698

■ 0.0000, 0.0000,
1.3901

■ 0.0000, 0.0000,
0.1340

■ 44.3459, 21.0097,
85.7224

■ 44.3459, 21.0097,
85.7224

■ 44.3458, 21.0097,
85.7227

■ 45.4522, 22.0718,
85.8694

■ 46.9819, 23.9635,
86.1539

■ 49.0643, 26.9424,
86.6192

■ 51.7759, 31.1617,
87.2906

■ 55.1813, 36.7499,
88.1898

■ 59.3367, 43.8197,
89.3354

■ 64.2924, 52.4717,
90.7442

■ 70.0946, 62.7981,
92.4316

■ 76.7858, 74.8836,
94.4117

Harmonies

Analogous

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



30.6246, 21.0097, 147.1912



44.3459, 21.0097, 85.7224



51.8545, 21.0097, 30.3061

Triad

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



44.3459, 21.0097, 85.7224



22.4182, 21.0097, 0.0000



5.6378, 21.0097, 60.5122

Complementary

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



44.3459, 21.0097, 85.7224



32.1790, 63.7245, 10.6047

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.



4.8871, 21.0097, 16.7719



44.3459, 21.0097, 85.7224



12.1256, 21.0097, 0.0000

Square

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



44.3459, 21.0097, 85.7224



36.3765, 21.0097, 0.0526



6.7134, 21.0097, 2.0399



9.4292, 21.0097, 125.0676

Rectangle

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



44.3459, 21.0097, 85.7224



50.8272, 21.0097, 10.5314



6.7134, 21.0097, 2.0399



5.1045, 21.0097, 42.3462

Sweetspot

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



44.3469, 21.0106, 85.7228



72.3505, 58.9944, 102.1815



16.4487, 7.2536, 84.5379



14.9574, 11.6990, 21.7197



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.



44.3469, 21.0106, 85.7228



49.9189, 23.6490, 96.5414



42.0626, 21.0555, 30.3827



16.2772, 15.9401, 19.9405



23.8936, 11.3230, 46.0541



2.0352, 0.9665, 3.8335

Inverse Universe

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



36.8051, 18.9525, 2.6970



41.4425, 21.3410, 2.9962



33.7187, 64.2911, 20.9376



15.8418, 15.7864, 16.7233



19.7953, 10.1906, 1.5728



1.6695, 0.8568, 0.2505

Previews

White Background



This preview shows how the XYZ color 44.3459, 21.0097, 85.7224 looks on a white background.

Color Contrast Check

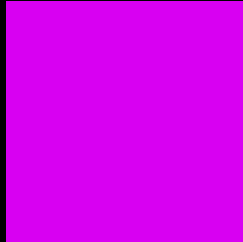
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.3459, 21.0097, 85.7224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

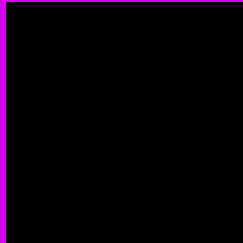
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.3459, 21.0097, 85.7224

Background



This preview shows how black text looks on a background with the XYZ color 44.3459, 21.0097, 85.7224.



This preview shows how white text looks on a background with the XYZ color 44.3459, 21.0097,

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

44.3459, 21.0097, 85.7224

Protanopia

25.9173, 21.9754, 97.4834

Deuteranopia

22.5819, 21.8738, 76.4307



Tritanopia

29.9944, 21.2661, 14.8358

Trichromacy



Original Color

44.3459, 21.0097, 85.7224



Protanomaly

25.3068, 15.2034, 92.0432



Deuteranomaly

22.9468, 14.7224, 78.7231



Tritanomaly

32.4602, 18.4779, 31.5615

Monochromacy



Original Color

44.3459, 21.0097, 85.7224



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.1470, 10.5529, 28.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3459, 21.0097, 85.7224 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(216, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 242)  
}
```

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(216, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 44.3459, 21.0097, 85.7224 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(216, 0, 242) }
```


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

```
.border{ border-color:rgb(216, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3459, 21.0097, 85.7224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 242) }
```

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

```
.background{ background-color: rgb(216, 0,  
242) }
```

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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