

Converting Colors

XYZ(41.2274, 35.8802, 86.9463)

Have a look what the booklet for
XYZ(41.2274, 35.8802, 86.9463)
contains.

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Color

**XYZ(41.2920, 35.8981,
87.1908)**

Conversions

Conversions Part 1

Format	Color
Hex	A097F0
RGB	160, 151, 240
RGB Percent	63%, 59%, 94%
CMY	0.3725, 0.4078, 0.0588
CMYK	0.33, 0.37, 0.00, 0.06
HSL	246°, 75%, 77%
HSV	246°, 37%, 94%
XYZ	41.2920, 35.8981, 87.1908
YIQ	163.8370, -23.2050, 29.5870

Conversions

Conversions Part 2

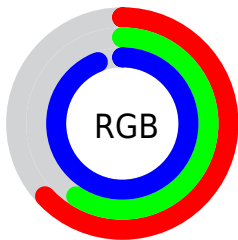
Format	Color
R _Y B	160, 151, 240
Decimal	10524656
CIE Lab	66.44, 23.33, -43.58
CIE LCh	66, 49.435, 298.163
Yxy	35.8981, 0.2512, 0.2184
Android (android.graphics.Color)	4288714736 (0xFFA097F0)
YUV	163.8370, 37.5484, -3.3650
Hunter-Lab	59.9150, 18.1666, -44.3407

Details

The XYZ color **41.2920, 35.8981, 87.1908** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.7016, 81.5441, 41.3454**, and the grayscale version is **35.0454, 36.8705, 40.1520**.

A 20% lighter version of the original color is **68.4966, 65.6344, 103.6663**, and **19.0346, 15.5783, 47.3511** is the 20% darker color. If you saturate the color by 10%, you get **33.8707, 26.9109, 85.8479**, and if you desaturate by 10%, it is **50.2504, 46.8461, 88.8325**.

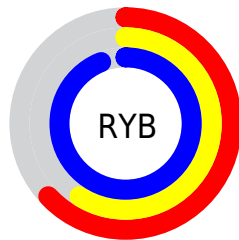
Distribution



Red (63%)

Green (59%)

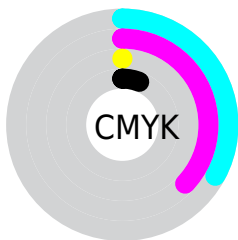
Blue (94%)



Red (63%)

Yellow (59%)

Blue (94%)

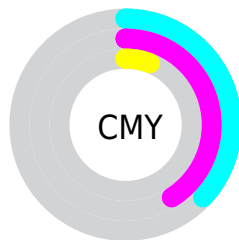


Cyan (33%)

Magenta (37%)

Yellow (0%)

Black (6%)



Cyan (37%)

Magenta (41%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2920, 35.8981, 87.1908 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 41.2920, 35.8981, 87.1908 by changing the saturation by 10% instead.

■ 41.2920, 35.8981,
87.1908

■ 41.2920, 35.8981,
87.1908

342.5813,
328.5149, 539.1821

■ 28.7360, 24.3555,
65.0926

■ 76.3989, 68.8748,
145.3313

■ 19.0245, 15.5975,
47.0843

■ 99.6805, 91.0776,
182.2106

■ 11.7921, 9.2398,
32.7475

127.2679,
117.6027, 224.8541

■ 6.6734, 4.8979,
21.6636

159.5267,
148.8343, 273.6802

■ 3.3032, 2.1875,
13.4140

196.8220,
185.1570, 329.1075

■ 1.3161, 0.7132,
7.5801

239.5193,

■ 0.1952, 0.0000,

226.9551, 391.5546

3.7436

287.9840,
274.6129, 461.4399

■ 0.0000, 0.0000,
1.4858

■ 0.0000, 0.0000,
0.2073

■ 41.2920, 35.8981,
87.1908

■ 41.2920, 35.8981,
87.1908

■ 33.8707, 26.9109,
85.8479

■ 50.2504, 46.8461,
88.8325

■ 27.8958, 19.7644,
84.7834

■ 60.8218, 59.8571,
90.7867

■ 23.2734, 14.3319,
83.9784

■ 73.0817, 75.0314,
93.0694

■ 19.8965, 10.4684,
83.4107

■ 87.0998, 92.4612,
95.6949

■ 17.6417, 8.0052,
83.0541

■ 92.7283, 99.0713,
96.6741

■ 16.3564, 6.7279,
82.8753

■ 16.1115, 6.4889,
82.8421

Harmonies

Analogous

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



33.6657, 35.8981, 95.6582



41.2920, 35.8981, 87.1908



47.7036, 35.8981, 64.7873

Triad

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



41.2920, 35.8981, 87.1908



42.1963, 35.8981, 13.6692



21.7748, 35.8981, 37.7943

Complementary

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



41.2920, 35.8981, 87.1908



69.7016, 81.5441, 41.3454

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.



23.3960, 35.8981, 21.2798



41.2920, 35.8981, 87.1908



34.5785, 35.8981, 10.8532

Square

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



41.2920, 35.8981, 87.1908



48.2766, 35.8981, 22.8253



27.8307, 35.8981, 13.0305



23.0429, 35.8981, 61.6678

Rectangle

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



41.2920, 35.8981, 87.1908



50.0408, 35.8981, 48.0632



27.8307, 35.8981, 13.0305



21.9945, 35.8981, 31.3042

Sweetspot

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



41.2933, 35.8995, 87.1916



78.0701, 78.9186, 105.7258



57.0956, 70.0794, 92.9562



16.2986, 16.3822, 22.5530



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.



41.2933, 35.8995, 87.1916



41.1969, 33.6894, 98.9391



51.8075, 41.3197, 87.6837



15.0456, 15.3052, 19.8828



8.8700, 3.5781, 45.3510



0.7873, 0.3231, 3.7751

Inverse Universe

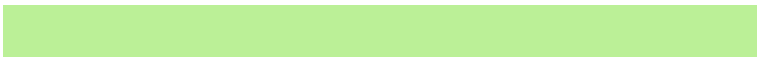
The Inverse Universe completely reimagines the original color for something new.



61.4264, 46.4292, 81.3258



67.3089, 47.3555, 90.9050



57.1428, 75.0698, 40.7576



16.3813, 16.0022, 19.5643



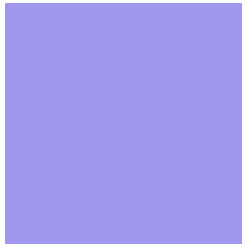
26.4659, 12.8588, 36.6998



2.2215, 1.0776, 3.1570

Previews

White Background



This preview shows how the XYZ color 41.2920, 35.8981, 87.1908 looks on a white background.

Color Contrast Check

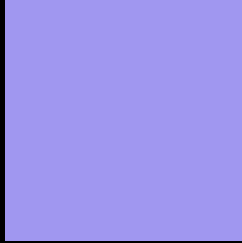
Large Text (above 18pt) WCAG AA × Fail

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 41.2920, 35.8981, 87.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

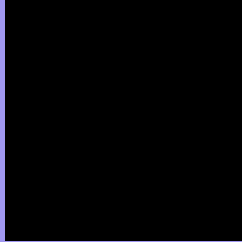
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2920, 35.8981, 87.1908

Background



This preview shows how black text looks on a background with the XYZ color 41.2920, 35.8981, 87.1908.



This preview shows how white text looks on a background with the XYZ color 41.2920, 35.8981,

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

41.2920, 35.8981, 87.1908

Protanopia

38.2386, 36.1959, 92.1599

Deuteranopia

36.9055, 35.9039, 85.8739



Tritanopia

33.0653, 35.8362, 46.7693

Trichromacy



Original Color

41.2920, 35.8981, 87.1908

Protanomaly

39.2021, 35.9713, 90.4649

Deuteranomaly

38.4522, 35.9214, 86.5682

Tritanomaly

35.5860, 35.5457, 59.6290

Monochromacy



Original Color

41.2920, 35.8981, 87.1908

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.0168, 36.3886, 54.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2920, 35.8981, 87.1908 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(160, 151, 240)` looks like.

```
.text, #text, p{  
    color:rgb(160, 151, 240)  
}
```

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(160, 151, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 151, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.2920, 35.8981, 87.1908 is called "border". The border property can be set on classes, ids or directly on the HTML element.

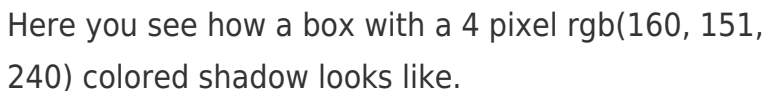
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 151, 240) }
```


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

```
.border{ border-color:rgb(160, 151, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 151, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 151, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 151, 240); box-shadow:4px 4px 4px 4px rgb(160, 151, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2920, 35.8981, 87.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 151, 240) }
```

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

```
.background{ background-color: rgb(160,  
151, 240) }
```

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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