

Converting Colors

XYZ(45.8610, 40.9423, 94.7066)

Have a look what the booklet for
XYZ(45.8610, 40.9423, 94.7066)
contains.

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Color

**XYZ(45.9556, 40.8957,
95.0941)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A2F9
RGB	167, 162, 249
RGB Percent	65%, 64%, 98%
CMY	0.3451, 0.3647, 0.0235
CMYK	0.33, 0.35, 0.00, 0.02
HSL	243°, 88%, 81%
HSV	243°, 35%, 98%
XYZ	45.9556, 40.8957, 95.0941
YIQ	173.4130, -24.9470, 28.1170

Conversions

Conversions Part 2

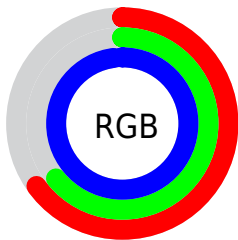
Format	Color
RYB	167, 162, 249
Decimal	10986233
CIELab	70.10, 21.30, -42.72
CIELCh	70, 47.738, 296.505
Yxy	40.8957, 0.2526, 0.2248
Android (android.graphics.Color)	4289176313 (0xFFA7A2F9)
YUV	173.4130, 37.2644, -5.6242
Hunter-Lab	63.9497, 16.3617, -43.4002

Details

The XYZ color **45.9556, 40.8957, 95.0941** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.7061, 89.5938, 47.3816**, and the grayscale version is **39.7572, 41.8277, 45.5504**.

A 20% lighter version of the original color is **73.6033, 72.6930, 104.7596**, and **21.7724, 18.4024, 52.2737** is the 20% darker color. If you saturate the color by 10%, you get **37.4799, 30.6477, 93.5635**, and if you desaturate by 10%, it is **56.2023, 53.3473, 96.9582**.

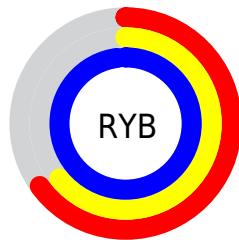
Distribution



Red (65%)

Green (64%)

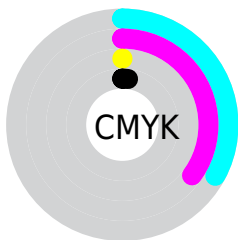
Blue (98%)



Red (65%)

Yellow (64%)

Blue (98%)

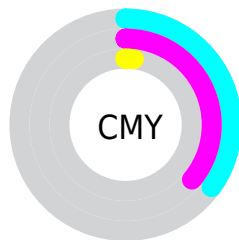


Cyan (33%)

Magenta (35%)

Yellow (0%)

Black (2%)



Cyan (35%)


Magenta (36%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9556, 40.8957, 95.0941 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 45.9556, 40.8957, 95.0941 by changing the saturation by 10% instead.


 45.9556, 40.8957,
95.0941


 45.9556, 40.8957,
95.0941


361.3490,
349.8845, 565.4582

 32.4153, 28.2376,
71.6160


 83.3808, 76.5255,
156.3913

 21.8360, 18.5048,
52.3601


 107.9964,
100.2661, 195.0475

 13.8523, 11.3130,
36.9080


137.0345,
128.4695, 239.6000

 8.0991, 6.2778,
24.8410

170.8603,
161.5203, 290.4676

 4.2107, 3.0147,
15.7407

209.8394,
199.8028, 348.0686

 1.8220, 1.1394,
9.1885

254.3369,

 0.5309, 0.0114,

243.7014, 412.8217

4.7658

304.7184,
293.6005, 485.1454

■ 0.0000, 0.0000,
2.0542

■ 0.0000, 0.0000,
0.5883

■ 45.9556, 40.8957,
95.0941

■ 45.9556, 40.8957,
95.0941

■ 37.4799, 30.6477,
93.5635

■ 56.2023, 53.3473,
96.9582

■ 30.6705, 22.4706,
92.3440

■ 68.3078, 68.1156,
99.1707

■ 25.4188, 16.2245,
91.4152

■ 82.3596, 85.3116,
101.7493

■ 21.6011, 11.7503,
90.7528

■ 94.0990, 99.6196,
103.8923

■ 19.0750, 8.8637,
90.3288

■ 17.6688, 7.3395,
90.1087

■ 17.2850, 6.9355,
90.0510

Harmonies

Analogous

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



37.9629, 40.8957, 102.6403



45.9556, 40.8957, 95.0941



52.7683, 40.8957, 72.6907

Triad

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



45.9556, 40.8957, 95.0941



47.7492, 40.8957, 17.4531



25.7386, 40.8957, 41.9608

Complementary

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



45.9556, 40.8957, 95.0941



77.7061, 89.5938, 47.3816

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.



27.6554, 40.8957, 24.7802



45.9556, 40.8957, 95.0941



39.7917, 40.8957, 13.9413

Square

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



45.9556, 40.8957, 95.0941



53.8973, 40.8957, 27.9773



32.5532, 40.8957, 16.0878



26.9331, 40.8957, 66.5820

Rectangle

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



45.9556, 40.8957, 95.0941



55.3557, 40.8957, 55.3239



32.5532, 40.8957, 16.0878



26.0331, 40.8957, 35.2375

Sweetspot

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



45.9571, 40.8973, 95.0951



79.1518, 80.5190, 105.9777



64.5469, 79.6152, 101.5886



16.5000, 16.6939, 22.6025



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.



45.9571, 40.8973, 95.0951



41.9614, 35.2440, 99.1989



56.5561, 46.3613, 95.5911



16.3753, 16.6906, 21.7438



9.2888, 3.7312, 48.2042



0.8917, 0.3618, 4.4660

Inverse Universe

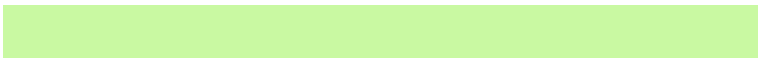
The Inverse Universe completely reimagines the original color for something new.



68.3173, 52.5133, 92.1234



68.8887, 49.2383, 95.3678



64.5261, 82.7993, 46.7648



17.9474, 17.5063, 21.5788



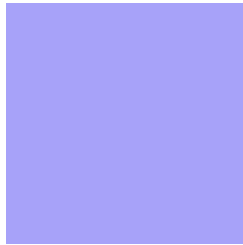
28.9331, 13.9889, 43.2174



2.6925, 1.3007, 4.0699

Previews

White Background



This preview shows how the XYZ color 45.9556, 40.8957, 95.0941 looks on a white background.

Color Contrast Check

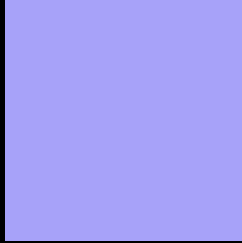
Large Text (above 18pt) WCAG AA × Fail

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 45.9556, 40.8957, 95.0941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

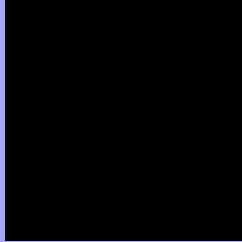
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9556, 40.8957, 95.0941

Background



This preview shows how black text looks on a background with the XYZ color 45.9556, 40.8957, 95.0941.



This preview shows how white text looks on a background with the XYZ color 45.9556, 40.8957,

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

45.9556, 40.8957, 95.0941

Protanopia

43.0474, 40.9118, 99.3939

Deuteranopia

42.1477, 41.1276, 93.7127



Tritanopia

37.5396, 40.7730, 53.4684

Trichromacy



Original Color

45.9556, 40.8957, 95.0941

Protanomaly

43.9694, 40.8800, 97.6687

Deuteranomaly

43.3397, 40.8988, 94.4169

Tritanomaly

40.3057, 40.7735, 66.7185

Monochromacy



Original Color

45.9556, 40.8957, 95.0941

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.5252, 41.2509, 61.0319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9556, 40.8957, 95.0941 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(167, 162, 249)` looks like.

```
.text, #text, p{  
    color:rgb(167, 162, 249)  
}
```

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(167, 162, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 162, 249) }
```

Border

The CSS property to change the border of an element to XYZ 45.9556, 40.8957, 95.0941 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(167, 162, 249) }
```


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

```
.border{ border-color:rgb(167, 162, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 162, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 162, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 162, 249);  
box-shadow:4px 4px 4px 4px rgb(167, 162,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9556, 40.8957, 95.0941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 162, 249) }
```

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

```
.background{ background-color: rgb(167,  
162, 249) }
```

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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