

Converting Colors

XYZ(35.4403, 23.4784, 90.1448)

Have a look what the booklet for
XYZ(35.4403, 23.4784, 90.1448)
contains.

XYZ(35.3894, 23.5224, 89.8638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3894, 23.5224,
89.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	9D67F6
RGB	157, 103, 246
RGB Percent	62%, 40%, 96%
CMY	0.3843, 0.5961, 0.0353
CMYK	0.36, 0.58, 0.00, 0.04
HSL	263°, 89%, 68%
HSV	263°, 58%, 96%
XYZ	35.3894, 23.5224, 89.8638
YIQ	135.4480, -13.7190, 55.9210

Conversions

Conversions Part 2

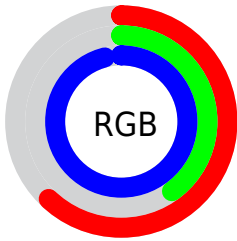
Format	Color
R _Y B	157, 103, 246
Decimal	10315766
CIE _{Lab}	55.61, 51.06, -64.14
CIE _{LCh}	56, 81.983, 308.520
Y _{xy}	23.5224, 0.2379, 0.1581
Android (android.graphics.Color)	4288505846 (0xFF9D67F6)
Y _{UV}	135.4480, 54.5021, 18.9011
Hunter-Lab	48.4999, 45.3730, -75.9065

Details

The XYZ color **35.3894, 23.5224, 89.8638** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **57.1421, 78.0975, 24.8951**, and the grayscale version is **23.0037, 24.2017, 26.3557**.

A 20% lighter version of the original color is **58.2574, 45.5959, 100.3381**, and **15.5589, 8.7828, 49.0193** is the 20% darker color. If you saturate the color by 10%, you get **30.4905, 17.8836, 89.0341**, and if you desaturate by 10%, it is **41.3842, 30.7948, 90.9520**.

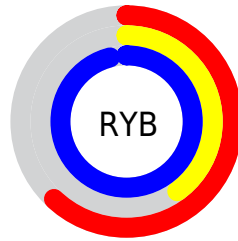
Distribution



Red (62%)

Green (40%)

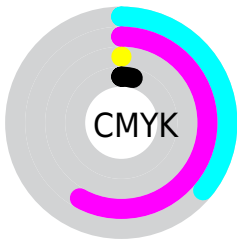
Blue (96%)



Red (62%)

Yellow (40%)

Blue (96%)

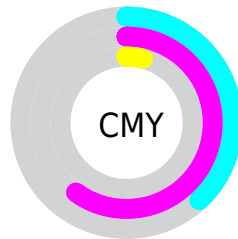


Cyan (36%)

Magenta (58%)

Yellow (0%)

Black (4%)



Cyan (38%)


Magenta (60%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3894, 23.5224, 89.8638 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 35.3894, 23.5224, 89.8638 by changing the saturation by 10% instead.


 35.3894, 23.5224,
89.8638


 35.3894, 23.5224,
89.8638

317.7618,
270.3969, 548.1464


 24.1309, 14.9797,
67.2946


 67.4186, 49.2497,
149.0831


 15.5560, 8.8052,
48.8610


 88.9201, 67.2031,
186.5702

 9.2994, 4.6143,
34.1444


 114.5665, 89.0622,
229.8671

 4.9956, 2.0228,
22.7263

 144.7234,
115.2114, 279.3922

 2.2794, 0.6207,
14.1881

179.7560,
146.0350, 335.5642

 0.7841, 0.0000,
8.1114

220.0297,

 0.0000, 0.0000,

181.9176, 398.8015

4.0775

265.9098,
223.2434, 469.5227

■ 0.0000, 0.0000,
1.6680

■ 0.0000, 0.0000,
0.3386

■ 35.3894, 23.5224,
89.8638

■ 35.3894, 23.5224,
89.8638

■ 30.4905, 17.8836,
89.0341

■ 41.3842, 30.7948,
90.9520

■ 26.6055, 13.7386,
88.4388

■ 48.5422, 39.8197,
92.3167

■ 23.6438, 10.9268,
88.0521

■ 56.9284, 50.7073,
93.9763

■ 21.4836, 9.2277,
87.8380

■ 66.6017, 63.5580,
95.9469

■ 21.1387, 8.9758,
87.8076

■ 77.6172, 78.4649,
98.2436

■ 90.0263, 95.5148,
100.8805

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



25.1020, 23.5224, 116.4639



35.3894, 23.5224, 89.8638



43.3710, 23.5224, 49.2066

Triad

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



35.3894, 23.5224, 89.8638



29.5361, 23.5224, 1.4285



8.9613, 23.5224, 33.9392

Complementary

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



35.3894, 23.5224, 89.8638



57.1421, 78.0975, 24.8951

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.



9.5391, 23.5224, 11.1033



35.3894, 23.5224, 89.8638



19.8204, 23.5224, 1.0360

Square

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



35.3894, 23.5224, 89.8638



39.3936, 23.5224, 5.1654



12.9962, 23.5224, 2.8405



11.1146, 23.5224, 72.3414

Rectangle

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



35.3894, 23.5224, 89.8638



45.3147, 23.5224, 26.9525



12.9962, 23.5224, 2.8405



8.8581, 23.5224, 24.3165

Sweetspot

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



35.3905, 23.5232, 89.8644



73.5075, 70.6295, 104.3663



41.4241, 47.9290, 94.2572



15.2499, 14.4686, 22.2389



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.



35.3905, 23.5232, 89.8644



32.1547, 18.3791, 96.4605



53.1428, 32.6749, 90.6952



16.1725, 16.2316, 20.8232



11.4262, 4.8647, 46.8748



1.1145, 0.4844, 4.1250

Inverse Universe

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



52.3710, 33.0995, 53.4970



52.8921, 30.1113, 50.3707



43.4399, 71.0338, 24.2538



16.9328, 16.6560, 19.3928



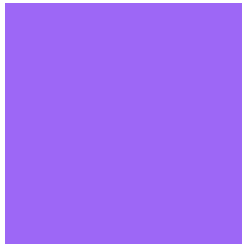
23.4300, 11.7154, 17.5044



2.1091, 1.0496, 1.8009

Previews

White Background



This preview shows how the XYZ color 35.3894, 23.5224, 89.8638 looks on a white background.

Color Contrast Check

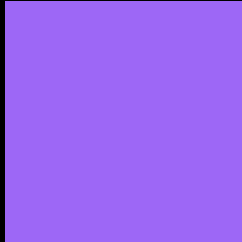
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3894, 23.5224, 89.8638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

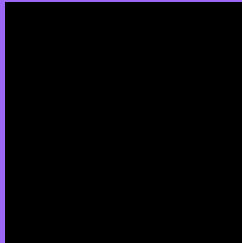
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.3894, 23.5224, 89.8638

Background



This preview shows how black text looks on a background with the XYZ color 35.3894, 23.5224, 89.8638.



This preview shows how white text looks on a background with the XYZ color 35.3894, 23.5224,

89.8638.

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

35.3894, 23.5224, 89.8638

Protanopia

27.7637, 23.8812, 97.7540

Deuteranopia

24.5973, 23.7421, 84.9476



Tritanopia

22.9905, 23.3365, 28.8839

Trichromacy



Original Color

35.3894, 23.5224, 89.8638



Protanomaly

29.0065, 22.8941, 94.9857



Deuteranomaly

25.7825, 21.9544, 86.8831



Tritanomaly

26.4033, 22.8097, 46.1911

Monochromacy



Original Color

35.3894, 23.5224, 89.8638



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.1485, 23.1007, 43.6381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3894, 23.5224, 89.8638 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(157, 103, 246)` looks like.

```
.text, #text, p{  
    color:rgb(157, 103, 246)  
}
```

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(157, 103, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 103, 246) }
```

Border

The CSS property to change the border of an element to XYZ 35.3894, 23.5224, 89.8638 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(157, 103, 246) }
```


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

```
.border{ border-color:rgb(157, 103, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 103, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 103, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 103, 246);  
box-shadow:4px 4px 4px 4px rgb(157, 103,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3894, 23.5224, 89.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 103, 246) }
```

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

```
.background{ background-color: rgb(157,  
103, 246) }
```

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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