

Converting Colors

XYZ(39.7640, 30.8651, 98.4695)

Have a look what the booklet for
XYZ(39.7640, 30.8651, 98.4695)
contains.

XYZ(39.7640, 30.8651, 98.4695)	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(39.7640, 30.8651,
98.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	9A85FF
RGB	154, 133, 255
RGB Percent	60%, 52%, 100%
CMY	0.3961, 0.4784, 0.0000
CMYK	0.40, 0.48, 0.00, 0.00
HSL	250°, 100%, 76%
HSV	250°, 48%, 100%
XYZ	39.7640, 30.8651, 98.4695
YIQ	153.1870, -26.6460, 42.3940

Conversions

Conversions Part 2

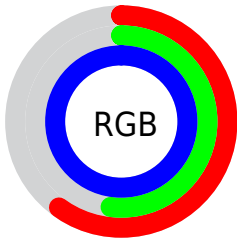
Format	Color
R_YB	154, 133, 255
Decimal	10126847
CIE Lab	62.39, 36.05, -58.25
CIE LCh	62, 68.503, 301.756
Yxy	30.8651, 0.2352, 0.1825
Android (android.graphics.Color)	4288316927 (0xFF9A85FF)
YUV	153.1870, 50.1938, 0.7130
Hunter-Lab	55.5564, 30.5362, -66.1976

Details

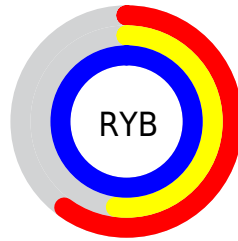
The XYZ color **39.7640, 30.8651, 98.4695** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.9246, 90.7055, 35.8028**, and the grayscale version is **30.1574, 31.7279, 34.5517**.

A 20% lighter version of the original color is **62.7603, 56.3349, 102.1736**, and **18.2161, 12.8051, 54.9376** is the 20% darker color. If you saturate the color by 10%, you get **33.0164, 22.8184, 97.2720**, and if you desaturate by 10%, it is **48.0677, 40.9726, 99.9828**.

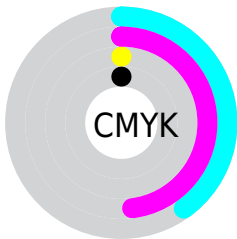
Distribution



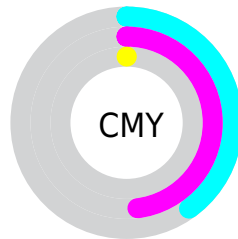
- Red (60%)
- Green (52%)
- Blue (100%)



- Red (60%)
- Yellow (52%)
- Blue (100%)



- Cyan (40%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7640, 30.8651, 98.4695 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 39.7640, 30.8651, 98.4695 by changing the saturation by 10% instead.


 39.7640, 30.8651,
98.4695


 39.7640, 30.8651,
98.4695


336.2794,
305.9164, 576.4792


 27.5380, 20.4961,
74.4132


 74.0906, 61.0276,
161.0858

 18.1163, 12.7562,
54.6335


 96.9220, 81.5900,
200.4829

 11.1337, 7.2609,
38.7117


 124.0191,
106.3189, 245.8308

 6.2248, 3.6258,
26.2294

155.7474,
135.5989, 297.5478

 3.0242, 1.4665,
16.7681

192.4722,
169.8142, 356.0527

 1.1666, 0.2650,
9.9091

234.5589,

 0.0797, 0.0000,

209.3493, 421.7638

5.2339

282.3728,
254.5885, 495.0998

■ 0.0000, 0.0000,
2.3240

■ 0.0000, 0.0000,
0.7446

■ 39.7640, 30.8651,
98.4695

■ 39.7640, 30.8651,
98.4695

■ 33.0164, 22.8184,
97.2720

■ 48.0677, 40.9726,
99.9828

■ 27.7222, 16.6855,
96.3673

■ 58.0144, 53.2678,
101.8318

■ 23.7710, 12.3049,
95.7300

■ 69.6888, 67.8708,
104.0351

■ 21.0345, 9.4860,
95.3301

■ 83.1684, 84.8922,
106.6101

■ 19.3502, 7.9789,
95.1280

95.0500, 100.0000,
108.9000

■ 19.0844, 7.7532,
95.0984

Harmonies

Analogous

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



29.8863, 30.8651, 114.9230



39.7640, 30.8651, 98.4695



48.0281, 30.8651, 64.0516

Triad

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



39.7640, 30.8651, 98.4695



38.6157, 30.8651, 5.6995



14.8724, 30.8651, 35.1967

Complementary

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



39.7640, 30.8651, 98.4695



73.9246, 90.7055, 35.8028

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.



16.2587, 30.8651, 14.7616



39.7640, 30.8651, 98.4695



28.7932, 30.8651, 4.0371

Square

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



39.7640, 30.8651, 98.4695



47.2728, 30.8651, 13.2497



20.9125, 30.8651, 6.1927



16.6302, 30.8651, 68.3106

Rectangle

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



39.7640, 30.8651, 98.4695



50.7735, 30.8651, 41.4796



20.9125, 30.8651, 6.1927



14.9846, 30.8651, 26.7992

Sweetspot

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



39.7652, 30.8661, 98.4697



74.6504, 74.1190, 104.9796



57.3363, 71.4329, 105.3737



15.3748, 15.1040, 22.3550



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.



39.7652, 30.8661, 98.4697



33.5273, 23.4203, 97.3612



54.2670, 38.3421, 99.1483



17.2944, 17.5280, 22.7217



10.0563, 4.0947, 49.6949



1.0560, 0.4383, 4.8422

Inverse Universe

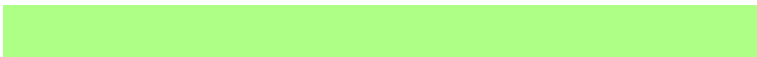
The Inverse Universe completely reimagines the original color for something new.



64.4788, 43.9760, 82.9298



61.0580, 38.0484, 78.9722



57.3755, 82.1741, 35.0283



18.6505, 18.2435, 22.0427



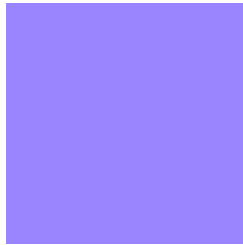
27.7484, 13.5887, 33.6552



2.7356, 1.3366, 3.4549

Previews

White Background



This preview shows how the XYZ color 39.7640, 30.8651, 98.4695 looks on a white background.

Color Contrast Check

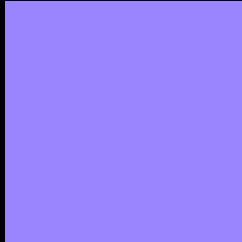
Large Text (above 18pt) WCAG AA × Fail

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 39.7640, 30.8651, 98.4695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

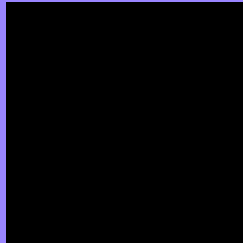
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7640, 30.8651, 98.4695

Background



This preview shows how black text looks on a background with the XYZ color 39.7640, 30.8651, 98.4695.



This preview shows how white text looks on a background with the XYZ color 39.7640, 30.8651,

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

39.7640, 30.8651, 98.4695

Protanopia

34.1926, 31.0305, 98.7951

Deuteranopia

32.2970, 31.3063, 95.6073



Tritanopia

28.1114, 30.8509, 40.5496

Trichromacy



Original Color

39.7640, 30.8651, 98.4695

Protanomaly

35.7490, 30.7036, 98.6499

Deuteranomaly

34.0028, 30.5303, 96.1963

Tritanomaly

31.4564, 30.2977, 57.6162

Monochromacy



Original Color

39.7640, 30.8651, 98.4695

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7100, 31.0478, 52.9840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7640, 30.8651, 98.4695 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(154, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 133, 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(154, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.7640, 30.8651, 98.4695 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(154, 133, 255) }
```


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

```
.border{ border-color:rgb(154, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7640, 30.8651, 98.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 133, 255) }
```

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

```
.background{ background-color: rgb(154,  
133, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor