

Converting Colors

XYZ(39.2473, 30.3891, 80.1783)

Have a look what the booklet for
XYZ(39.2473, 30.3891, 80.1783)
contains.

XYZ(39.3427, 30.4494, 80.1477)	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(39.3427, 30.4494,
80.1477)**

Conversions

Conversions Part 1

Format	Color
Hex	AB82E8
RGB	171, 130, 232
RGB Percent	67%, 51%, 91%
CMY	0.3294, 0.4902, 0.0902
CMYK	0.26, 0.44, 0.00, 0.09
HSL	264°, 69%, 71%
HSV	264°, 44%, 91%
XYZ	39.3427, 30.4494, 80.1477
YIQ	153.8870, -8.3060, 40.4140

Conversions

Conversions Part 2

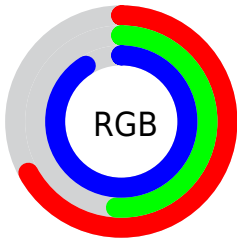
Format	Color
R_{YB}	171, 130, 232
Decimal	11240168
CIE _{Lab}	62.04, 36.25, -46.03
CIE _{LCh}	62, 58.591, 308.222
Yxy	30.4494, 0.2624, 0.2031
Android (android.graphics.Color)	4289430248 (0xFFAB82E8)
YUV	153.8870, 38.5097, 15.0081
Hunter-Lab	55.1810, 30.6995, -47.4892

Details

The XYZ color **39.3427, 30.4494, 80.1477** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.3725, 70.4020, 31.8434**, and the grayscale version is **30.5058, 32.0945, 34.9509**.

A 20% lighter version of the original color is **67.1854, 57.9950, 102.2608**, and **17.9076, 12.5849, 42.5596** is the 20% darker color. If you saturate the color by 10%, you get **33.7325, 23.4816, 79.0990**, and if you desaturate by 10%, it is **45.9681, 38.9743, 81.4445**.

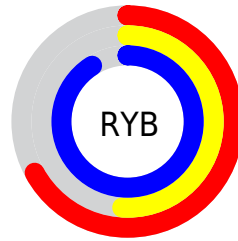
Distribution



Red (67%)

Green (51%)

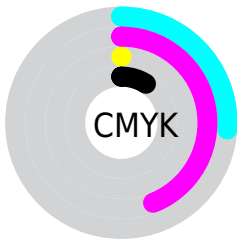
Blue (91%)



Red (67%)

Yellow (51%)

Blue (91%)

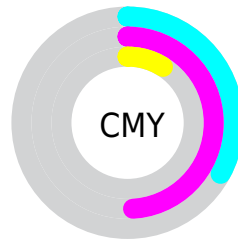


Cyan (26%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (49%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3427, 30.4494, 80.1477 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 39.3427, 30.4494, 80.1477 by changing the saturation by 10% instead.

39.3427, 30.4494,
80.1477

39.3427, 30.4494,
80.1477

334.5274,
303.9936, 515.1503

27.2084, 20.1799,
59.3130

73.4523, 60.3722,
135.3866

17.8672, 12.5259,
42.4435

96.1582, 80.7942,
170.6280

10.9538, 7.1029,
29.1205

123.1187,
105.3693, 211.5086

6.1028, 3.5265,
18.9257

154.6992,
134.4818, 258.4471

2.9490, 1.4124,
11.4403

191.2649,
168.5161, 311.8620

1.1268, 0.2258,
6.2459

233.1813,

0.0474, 0.0000,

207.8566, 372.1718

2.9240

280.8137,
252.8876, 439.7951

■ 0.0000, 0.0000,
1.0560

■ 0.0000, 0.0000,
0.0000

■ 39.3427, 30.4494,
80.1477

■ 39.3427, 30.4494,
80.1477

■ 33.7325, 23.4816,
79.0990

■ 45.9681, 38.9743,
81.4445

■ 29.0769, 17.9678,
78.2801

■ 53.6575, 49.1435,
83.0021

■ 25.3137, 13.7972,
77.6735

■ 62.4604, 61.0416,
84.8347

■ 22.3703, 10.8412,
77.2580

■ 72.4220, 74.7464,
86.9550

■ 20.1604, 8.9436,
77.0082

■ 83.5850, 90.3309,
89.3747

■ 19.1058, 8.1668,
76.9139

■ 91.2900, 98.4641,
90.5385

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



31.1584, 30.4494, 97.1484



39.3427, 30.4494, 80.1477



45.3790, 30.4494, 51.9586

Triad

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



39.3427, 30.4494, 80.1477



34.9223, 30.4494, 7.0058



16.4057, 30.4494, 39.7422

Complementary

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



39.3427, 30.4494, 80.1477



54.3725, 70.4020, 31.8434

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.



17.0466, 30.4494, 19.5417



39.3427, 30.4494, 80.1477



26.8318, 30.4494, 6.1085

Square

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



39.3427, 30.4494, 80.1477



42.5220, 30.4494, 12.9283



20.5565, 30.4494, 9.4411



18.6120, 30.4494, 67.8197

Rectangle

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



39.3427, 30.4494, 80.1477



46.8413, 30.4494, 34.5159



20.5565, 30.4494, 9.4411



16.3044, 30.4494, 31.8288

Sweetspot

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



39.3438, 30.4506, 80.1484



78.4503, 77.0749, 105.3499



42.4468, 47.9220, 83.3572



16.2413, 15.7469, 22.4334



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.



39.3438, 30.4506, 80.1484



42.2432, 29.6358, 98.1016



52.6119, 37.2905, 80.7693



14.1285, 14.1685, 18.1345



10.7402, 4.6026, 42.7055



0.8963, 0.3930, 3.1606

Inverse Universe

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



50.6661, 36.8837, 53.7397



58.4428, 38.8586, 59.4778



43.7358, 64.9185, 31.3456



14.7370, 14.5120, 16.8155



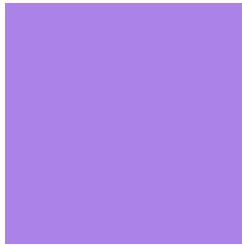
21.1157, 10.5805, 14.7701



1.6060, 0.8001, 1.3318

Previews

White Background



This preview shows how the XYZ color 39.3427, 30.4494, 80.1477 looks on a white background.

Color Contrast Check

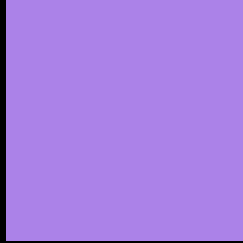
Large Text (above 18pt) WCAG AA × Fail

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 39.3427, 30.4494, 80.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

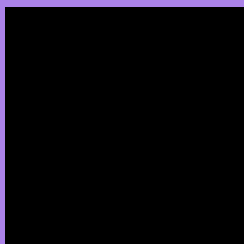
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3427, 30.4494, 80.1477

Background



This preview shows how black text looks on a background with the XYZ color 39.3427, 30.4494, 80.1477.



This preview shows how white text looks on a background with the XYZ color 39.3427, 30.4494,

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

39.3427, 30.4494, 80.1477

Protanopia

33.6526, 30.8978, 92.1859

Deuteranopia

31.4331, 30.5411, 77.6371



Tritanopia

30.5099, 30.5042, 36.6276

Trichromacy



Original Color

39.3427, 30.4494, 80.1477



Protanomaly

35.0676, 30.3661, 88.0174



Deuteranomaly

33.4887, 29.9897, 78.1523



Tritanomaly

33.1821, 30.2339, 49.9858

Monochromacy



Original Color

39.3427, 30.4494, 80.1477



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

33.0661, 31.1018, 48.5164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3427, 30.4494, 80.1477 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(171, 130, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 130, 232)  
}
```

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(171, 130, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 130, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.3427, 30.4494, 80.1477 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(171, 130, 232) }
```


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

```
.border{ border-color:rgb(171, 130, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 130, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 130, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 130, 232);  
box-shadow:4px 4px 4px 4px rgb(171, 130,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3427, 30.4494, 80.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 130, 232) }
```

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

```
.background{ background-color: rgb(171,  
130, 232) }
```

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