

Converting Colors

XYZ(39.2626, 30.1113, 75.8426)

Have a look what the booklet for
XYZ(39.2626, 30.1113, 75.8426)
contains.

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Color

**XYZ(39.1258, 30.0433,
75.6883)**

Conversions

Conversions Part 1

Format	Color
Hex	AF80E2
RGB	175, 128, 226
RGB Percent	69%, 50%, 89%
CMY	0.3137, 0.4980, 0.1137
CMYK	0.23, 0.43, 0.00, 0.11
HSL	269°, 63%, 69%
HSV	269°, 43%, 89%
XYZ	39.1258, 30.0433, 75.6883
YIQ	153.2250, -3.4460, 40.4420

Conversions

Conversions Part 2

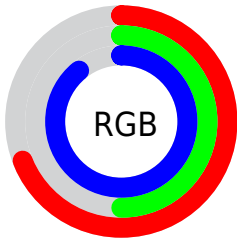
Format	Color
R_{YB}	175, 128, 226
Decimal	11501794
CIE _{Lab}	61.69, 37.07, -43.22
CIE _{LCh}	62, 56.936, 310.619
Yxy	30.0433, 0.2701, 0.2074
Android (android.graphics.Color)	4289691874 (0xFFAF80E2)
YUV	153.2250, 35.8781, 19.0967
Hunter-Lab	54.8118, 31.4965, -43.5039

Details

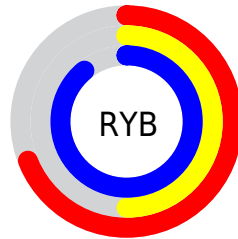
The XYZ color **39.1258, 30.0433, 75.6883** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.6839, 65.5356, 30.4543**, and the grayscale version is **30.2269, 31.8011, 34.6314**.

A 20% lighter version of the original color is **68.0567, 57.8317, 102.1834**, and **17.7258, 12.3441, 39.4786** is the 20% darker color. If you saturate the color by 10%, you get **33.9740, 23.4886, 74.6951**, and if you desaturate by 10%, it is **45.1662, 38.0318, 76.9124**.

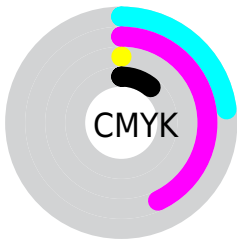
Distribution



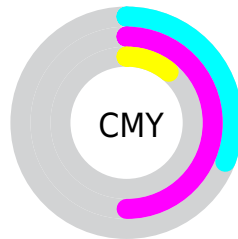
- Red (69%)
- Green (50%)
- Blue (89%)



- Red (69%)
- Yellow (50%)
- Blue (89%)



- Cyan (23%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)





- Cyan (31%)
- Magenta (50%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1258, 30.0433, 75.6883 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 39.1258, 30.0433, 75.6883 by changing the saturation by 10% instead.


 39.1258, 30.0433,
75.6883


 39.1258, 30.0433,
75.6883

333.6230,
302.1062, 499.5984

 27.0388, 19.8715,
55.6718

 73.1233, 59.7306,
129.0423

 17.7391, 12.3016,
39.5376


 95.7645, 80.0149,
163.2168

 10.8614, 6.9495,
26.8672


 122.6544,
104.4388, 202.9478

 6.0403, 3.4305,
17.2419


154.1585,
133.3867, 248.6538

 2.9105, 1.3604,
10.2434

190.6420,
167.2430, 300.7533

 1.1066, 0.1873,
5.4529

232.4704,

 0.0306, 0.0000,

206.3921, 359.6649

2.4520

280.0089,
251.2184, 425.8071

■ 0.0000, 0.0000,
0.8146

■ 0.0000, 0.0000,
0.0000

■ 39.1258, 30.0433,
75.6883

■ 39.1258, 30.0433,
75.6883

■ 33.9740, 23.4886,
74.6951

■ 45.1662, 38.0318,
76.9124

■ 29.6575, 18.2728,
73.9159

■ 52.1375, 47.5335,
78.3790

■ 26.1220, 14.2951,
73.3345

■ 60.0831, 58.6260,
80.1013

■ 23.3037, 11.4379,
72.9315

■ 69.0425, 71.3805,
82.0909

■ 21.1270, 9.5592,
72.6836

■ 79.0528, 85.8639,
84.3589

■ 19.9593, 8.7036,
72.5800

■ 87.3428, 96.5261,
85.9800

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



31.3243, 30.0433, 93.2238



39.1258, 30.0433, 75.6883



44.6164, 30.0433, 48.5984

Triad

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



39.1258, 30.0433, 75.6883



33.6663, 30.0433, 7.0317



16.4987, 30.0433, 41.0169

Complementary

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



39.1258, 30.0433, 75.6883



49.6839, 65.5356, 30.4543

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.



16.9015, 30.0433, 20.7306



39.1258, 30.0433, 75.6883



25.9544, 30.0433, 6.4563

Square

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



39.1258, 30.0433, 75.6883



41.0989, 30.0433, 12.3772



20.0839, 30.0433, 10.1666



18.8651, 30.0433, 68.0764

Rectangle

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



39.1258, 30.0433, 75.6883



45.7357, 30.0433, 32.2632



20.0839, 30.0433, 10.1666



16.3269, 30.0433, 33.1650

Sweetspot

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



39.1269, 30.0445, 75.6890



79.3070, 77.5165, 105.3900



39.0057, 42.8316, 78.1635



16.4521, 15.8555, 22.4432



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.



39.1269, 30.0445, 75.6890



45.3070, 31.6759, 98.3339



51.7968, 36.5760, 76.2819



13.5744, 13.5641, 17.2904



11.5222, 5.0352, 41.4130



0.9016, 0.4021, 2.8753

Inverse Universe

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



47.2207, 34.8629, 46.8892



57.6975, 39.0570, 54.0225



40.4950, 60.7986, 30.0243



14.0036, 13.8191, 15.7893



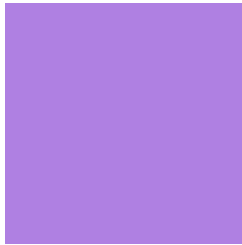
19.8060, 9.9894, 10.9102



1.4180, 0.7105, 0.9942

Previews

White Background



This preview shows how the XYZ color 39.1258, 30.0433, 75.6883 looks on a white background.

Color Contrast Check

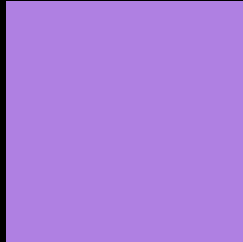
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.1258, 30.0433, 75.6883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

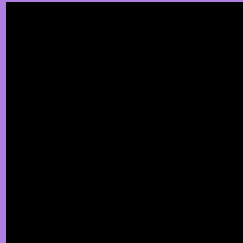
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1258, 30.0433, 75.6883

Background



This preview shows how black text looks on a background with the XYZ color 39.1258, 30.0433, 75.6883.



This preview shows how white text looks on a background with the XYZ color 39.1258, 30.0433,

75.6883.

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

39.1258, 30.0433, 75.6883

Protanopia

32.9880, 30.4133, 88.1361

Deuteranopia

31.1108, 30.2356, 73.3036



Tritanopia

30.9939, 30.0996, 35.1866

Trichromacy



Original Color

39.1258, 30.0433, 75.6883



Protanomaly

34.3646, 29.6723, 83.2730



Deuteranomaly

33.3254, 29.7807, 73.8039



Tritanomaly

33.3653, 29.7286, 47.6957

Monochromacy



Original Color

39.1258, 30.0433, 75.6883



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

32.9094, 30.8189, 47.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1258, 30.0433, 75.6883 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(175, 128, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 128, 226)  
}
```

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(175, 128, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 128, 226) }
```

Border

The CSS property to change the border of an element to XYZ 39.1258, 30.0433, 75.6883 is called "border". The border property can be set on classes, ids or directly on the HTML element.

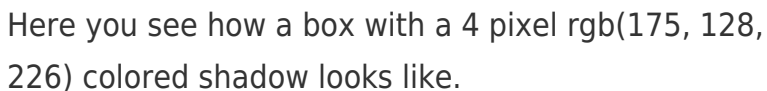
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 128, 226) }
```


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

```
.border{ border-color:rgb(175, 128, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 128, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 128, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 128, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 128,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1258, 30.0433, 75.6883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 128, 226) }
```

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

```
.background{ background-color: rgb(175,  
128, 226) }
```

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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