

Converting Colors

XYZ(38.2722, 30.8925, 81.0365)

Have a look what the booklet for
XYZ(38.2722, 30.8925, 81.0365)
contains.

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Color

**XYZ(38.2722, 30.8925,
81.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	A287E9
RGB	162, 135, 233
RGB Percent	64%, 53%, 91%
CMY	0.3647, 0.4706, 0.0863
CMYK	0.30, 0.42, 0.00, 0.09
HSL	257°, 69%, 72%
HSV	257°, 42%, 91%
XYZ	38.2722, 30.8925, 81.0365
YIQ	154.2450, -15.3660, 36.2020

Conversions

Conversions Part 2

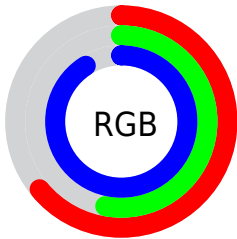
Format	Color
R _Y B	162, 135, 233
Decimal	10651625
CIE Lab	62.42, 31.22, -46.05
CIE LCh	62, 55.630, 304.135
Yxy	30.8925, 0.2548, 0.2057
Android (android.graphics.Color)	4288841705 (0xFFA287E9)
YUV	154.2450, 38.8262, 6.8011
Hunter-Lab	55.5810, 25.6454, -47.5374

Details

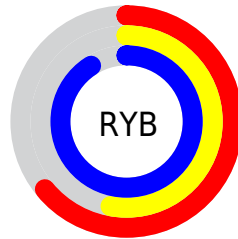
The XYZ color **38.2722, 30.8925, 81.0365** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.9663, 73.1495, 33.9341**, and the grayscale version is **30.6633, 32.2602, 35.1313**.

A 20% lighter version of the original color is **65.4610, 58.6753, 102.4830**, and **17.2477, 12.7971, 43.1560** is the 20% darker color. If you saturate the color by 10%, you get **32.1682, 23.4370, 79.9197**, and if you desaturate by 10%, it is **45.5502, 40.0103, 82.4134**.

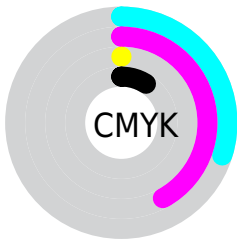
Distribution



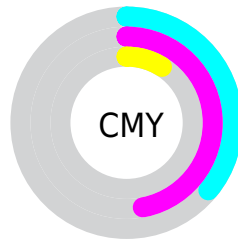
- Red (64%)
- Green (53%)
- Blue (91%)



- Red (64%)
- Yellow (53%)
- Blue (91%)



- Cyan (30%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)



- Cyan (36%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2722, 30.8925, 81.0365 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 38.2722, 30.8925, 81.0365 by changing the saturation by 10% instead.

■ 38.2722, 30.8925,
81.0365

■ 38.2722, 30.8925,
81.0365

330.0469,
306.0428, 518.2177

■ 26.3722, 20.5170,
60.0405

■ 71.8264, 61.0708,
136.6465

■ 17.2364, 12.7714,
43.0258

■ 94.2112, 81.6424,
172.0977

■ 10.4995, 7.2713,
29.5738

■ 120.8218,
106.3814, 213.2042

■ 5.7962, 3.6324,
19.2660

152.0233,
135.6724, 260.3848

■ 2.7610, 1.4701,
11.6839

188.1813,
169.8996, 314.0579

■ 1.0287, 0.2676,
6.4089

229.6609,

■ 0.0000, 0.0000,

209.4474, 374.6420

3.0225

276.8277,
254.7004, 442.5558

■ 0.0000, 0.0000,
1.1061

■ 0.0000, 0.0000,
0.0000

■ 38.2722, 30.8925,
81.0365

■ 38.2722, 30.8925,
81.0365

■ 32.1682, 23.4370,
79.9197

■ 45.5502, 40.0103,
82.4134

■ 27.1695, 17.5370,
79.0444

■ 54.0585, 50.8809,
84.0632

■ 23.2054, 13.0786,
78.3927

■ 63.8538, 63.5926,
86.0005

■ 20.1946, 9.9304,
77.9438

■ 74.9883, 78.2264,
88.2383

■ 18.0419, 7.9352,
77.6721

■ 87.5111, 94.8587,
90.7886

■ 16.8352, 6.9798,
77.5513

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



30.4203, 30.8925, 94.3685



38.2722, 30.8925, 81.0365



44.4351, 30.8925, 55.1955

Triad

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



38.2722, 30.8925, 81.0365



36.1519, 30.8925, 8.4011



17.1463, 30.8925, 36.7205

Complementary

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



38.2722, 30.8925, 81.0365



58.9663, 73.1495, 33.9341

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.



18.1536, 30.8925, 18.5803



38.2722, 30.8925, 81.0365



28.3293, 30.8925, 6.8947

Square

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



38.2722, 30.8925, 81.0365



43.0713, 30.8925, 15.3031



21.9553, 30.8925, 9.6454



18.9230, 30.8925, 62.7292

Rectangle

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



38.2722, 30.8925, 81.0365



46.2742, 30.8925, 38.0601



21.9553, 30.8925, 9.6454



17.1729, 30.8925, 29.5700

Sweetspot

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



38.2734, 30.8937, 81.0372



77.0811, 76.3691, 105.2858



46.9811, 55.5961, 85.3463



15.9057, 15.5738, 22.4177



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.



38.2734, 30.8937, 81.0372



40.7324, 30.2756, 98.3047



49.9891, 36.9334, 81.5855



14.6207, 14.7497, 18.9986



9.6552, 4.0134, 44.0087



0.8483, 0.3616, 3.4600

Inverse Universe

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



53.4096, 39.1088, 63.1267



61.7954, 41.7287, 72.4185



47.5873, 67.2834, 33.4016



15.5275, 15.2388, 18.0629



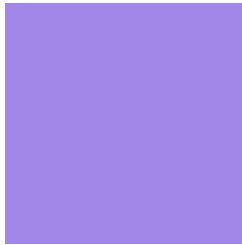
23.1759, 11.4730, 22.5254



1.8601, 0.9170, 1.9807

Previews

White Background



This preview shows how the XYZ color 38.2722, 30.8925, 81.0365 looks on a white background.

Color Contrast Check

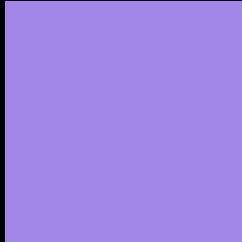
Large Text (above 18pt) WCAG AA × Fail

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 38.2722, 30.8925, 81.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

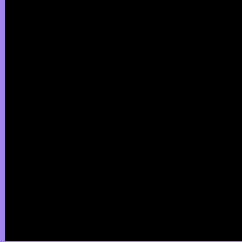
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2722, 30.8925, 81.0365

Background



This preview shows how black text looks on a background with the XYZ color 38.2722, 30.8925, 81.0365.



This preview shows how white text looks on a background with the XYZ color 38.2722, 30.8925,

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

38.2722, 30.8925, 81.0365

Protanopia

33.7291, 31.2222, 89.8367

Deuteranopia

31.9993, 31.0366, 79.1670



Tritanopia

29.6407, 30.7172, 38.5492

Trichromacy



Original Color

38.2722, 30.8925, 81.0365

Protanomaly

34.9107, 30.7615, 86.5356

Deuteranomaly

33.9093, 30.8456, 79.7679

Tritanomaly

32.3394, 30.6539, 51.7893

Monochromacy



Original Color

38.2722, 30.8925, 81.0365

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.8856, 31.4544, 49.1378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2722, 30.8925, 81.0365 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(162, 135, 233)` looks like.

```
.text, #text, p{  
    color:rgb(162, 135, 233)  
}
```

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(162, 135, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 135, 233) }
```

Border

The CSS property to change the border of an element to XYZ 38.2722, 30.8925, 81.0365 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(162, 135, 233) }
```


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

```
.border{ border-color:rgb(162, 135, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 135, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 135, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 135, 233);  
box-shadow:4px 4px 4px 4px rgb(162, 135,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2722, 30.8925, 81.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 135, 233) }
```

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

```
.background{ background-color: rgb(162,  
135, 233) }
```

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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