

Converting Colors

XYZ(38.3665, 32.3475, 75.0498)

Have a look what the booklet for
XYZ(38.3665, 32.3475, 75.0498)
contains.

XYZ(38.2893, 32.3241, 74.7421)	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(38.2893, 32.3241,
74.7421)**

Conversions

Conversions Part 1

Format	Color
Hex	A48DE0
RGB	164, 141, 224
RGB Percent	64%, 55%, 88%
CMY	0.3569, 0.4470, 0.1216
CMYK	0.27, 0.37, 0.00, 0.12
HSL	257°, 57%, 72%
HSV	257°, 37%, 88%
XYZ	38.2893, 32.3241, 74.7421
YIQ	157.3390, -12.9350, 30.6890

Conversions

Conversions Part 2

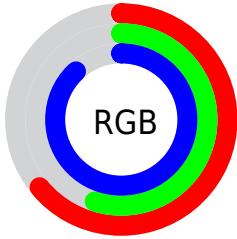
Format	Color
RYB	164, 141, 224
Decimal	10784224
CIELab	63.61, 26.13, -39.17
CIELCh	64, 47.084, 303.707
Yxy	32.3241, 0.2634, 0.2224
Android (android.graphics.Color)	4288974304 (0xFFA48DE0)
YUV	157.3390, 32.8639, 5.8417
Hunter-Lab	56.8543, 20.7183, -38.1461

Details

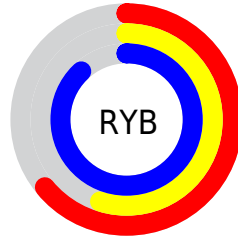
The XYZ color **38.2893, 32.3241, 74.7421** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.5514, 67.6525, 35.3309**, and the grayscale version is **32.0622, 33.7319, 36.7340**.

A 20% lighter version of the original color is **67.0803, 61.4659, 102.9363**, and **17.2394, 13.6243, 38.7669** is the 20% darker color. If you saturate the color by 10%, you get **32.1828, 24.7594, 73.6044**, and if you desaturate by 10%, it is **45.4915, 41.4465, 76.1239**.

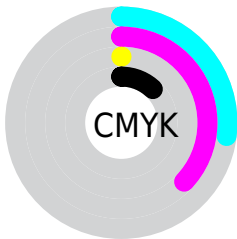
Distribution



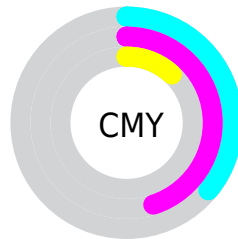
- Red (64%)
- Green (55%)
- Blue (88%)



- Red (64%)
- Yellow (55%)
- Blue (88%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)





- Cyan (36%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2893, 32.3241, 74.7421 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 38.2893, 32.3241, 74.7421 by changing the saturation by 10% instead.


 38.2893, 32.3241,
74.7421


 38.2893, 32.3241,
74.7421

330.1188,
312.5930, 496.2624


 26.3855, 21.6092,
54.9012


 71.8524, 63.3188,
127.6910

 17.2465, 13.5700,
38.9245


 94.2424, 84.3674,
161.6360

 10.5068, 7.8222,
26.3936


 120.8586,
109.6294, 201.1195

 5.8011, 3.9814,
16.8900

152.0662,
139.4890, 246.5599

 2.7640, 1.6632,
9.9949

188.2307,
174.3308, 298.3759

 1.0302, 0.3996,
5.2900

229.7174,

 0.0000, 0.0000,

214.5392, 356.9859

2.3567

276.8917,
260.4984, 422.8086

■ 0.0000, 0.0000,
0.7627

■ 0.0000, 0.0000,
0.0000

■ 38.2893, 32.3241,
74.7421

■ 38.2893, 32.3241,
74.7421

■ 32.1828, 24.7594,
73.6044

■ 45.4915, 41.4465,
76.1239

■ 27.1121, 18.6595,
72.6942

■ 53.8382, 52.2047,
77.7605

■ 23.0165, 13.9269,
71.9966

■ 63.3793, 64.6764,
79.6649

■ 19.8272, 10.4506,
71.4937

■ 74.1606, 78.9327,
81.8484

■ 17.4649, 8.1015,
71.1648

■ 86.2255, 95.0411,
84.3217

■ 15.8306, 6.7131,
70.9829

■ 90.4547, 98.1619,
84.7012

■ 15.4459, 6.4084,
70.9444

Harmonies

Analogous

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



31.5480, 32.3241, 85.1234



38.2893, 32.3241, 74.7421



43.5134, 32.3241, 53.8008

Triad

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



38.2893, 32.3241, 74.7421



36.6726, 32.3241, 11.6861



19.7519, 32.3241, 37.5893

Complementary

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



38.2893, 32.3241, 74.7421



55.5514, 67.6525, 35.3309

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.



20.7224, 32.3241, 21.4659



38.2893, 32.3241, 74.7421



29.9127, 32.3241, 10.0125

Square

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



38.2893, 32.3241, 74.7421



42.4904, 32.3241, 18.6792



24.2257, 32.3241, 12.8452



21.3576, 32.3241, 59.3642

Rectangle

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



38.2893, 32.3241, 74.7421



45.0861, 32.3241, 39.3169



24.2257, 32.3241, 12.8452



19.7890, 32.3241, 31.3726

Sweetspot

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



38.2905, 32.3254, 74.7428



79.6750, 79.7459, 105.8009



45.5293, 53.2240, 78.3952



16.6783, 16.5780, 22.5708



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.



38.2905, 32.3254, 74.7428



45.2740, 35.7912, 99.1299



48.0561, 37.3598, 75.1999



13.3068, 13.4262, 17.2779



9.0865, 3.7796, 41.2990



0.7152, 0.3060, 2.8666

Inverse Universe

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



50.8088, 39.1152, 60.1309



64.4745, 46.2217, 75.9789



46.0349, 62.7466, 34.8855



14.1245, 13.8674, 16.4259



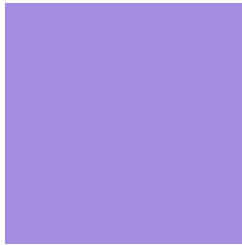
21.7365, 10.7616, 21.0757



1.5440, 0.7609, 1.6574

Previews

White Background



This preview shows how the XYZ color 38.2893, 32.3241, 74.7421 looks on a white background.

Color Contrast Check

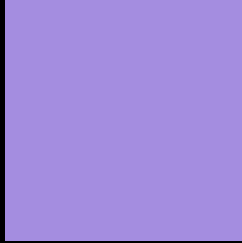
Large Text (above 18pt) WCAG AA × Fail

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 38.2893, 32.3241, 74.7421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

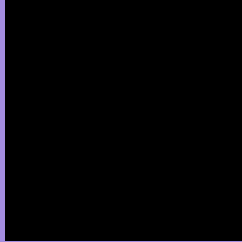
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2893, 32.3241, 74.7421

Background



This preview shows how black text looks on a background with the XYZ color 38.2893, 32.3241, 74.7421.



This preview shows how white text looks on a background with the XYZ color 38.2893, 32.3241,

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

38.2893, 32.3241, 74.7421

Protanopia

34.3788, 32.4520, 81.5427

Deuteranopia

33.4781, 32.6456, 73.6440



Tritanopia

31.3196, 32.2714, 40.1756

Trichromacy



Original Color

38.2893, 32.3241, 74.7421

Protanomaly

35.5319, 32.1561, 79.1969

Deuteranomaly

35.0512, 32.4853, 74.2349

Tritanomaly

33.5150, 32.2082, 50.9047

Monochromacy



Original Color

38.2893, 32.3241, 74.7421

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9043, 32.9430, 48.2877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2893, 32.3241, 74.7421 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(164, 141, 224)` looks like.

```
.text, #text, p{  
    color:rgb(164, 141, 224)  
}
```

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(164, 141, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 141, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.2893, 32.3241, 74.7421 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(164, 141, 224) }
```


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

```
.border{ border-color:rgb(164, 141, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 141, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 141, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 141, 224);  
box-shadow:4px 4px 4px 4px rgb(164, 141,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2893, 32.3241, 74.7421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 141, 224) }
```

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

```
.background{ background-color: rgb(164,  
141, 224) }
```

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