

Converting Colors

XYZ(41.7080, 32.1237, 73.8480)

Have a look what the booklet for
XYZ(41.7080, 32.1237, 73.8480)
contains.

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Color

**XYZ(41.8202, 32.2693,
73.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	BA84DF
RGB	186, 132, 223
RGB Percent	73%, 52%, 87%
CMY	0.2706, 0.4823, 0.1255
CMYK	0.17, 0.41, 0.00, 0.13
HSL	276°, 59%, 70%
HSV	276°, 41%, 87%
XYZ	41.8202, 32.2693, 73.8365
YIQ	158.5200, 2.9730, 39.7490

Conversions

Conversions Part 2

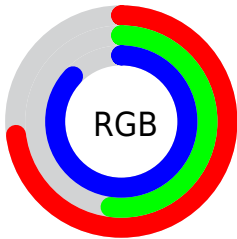
Format	Color
RYB	186, 132, 223
Decimal	12223711
CIELab	63.56, 37.34, -38.53
CIELCh	64, 53.657, 314.102
Yxy	32.2693, 0.2827, 0.2181
Android (android.graphics.Color)	4290413791 (0xFFBA84DF)
YUV	158.5200, 31.7886, 24.1000
Hunter-Lab	56.8061, 31.9997, -37.3009

Details

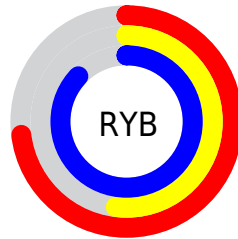
The XYZ color **41.8202, 32.2693, 73.8365** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.9157, 62.8771, 31.4949**, and the grayscale version is **32.5956, 34.2931, 37.3451**.

A 20% lighter version of the original color is **72.5711, 61.3925, 102.6328**, and **19.2776, 13.5002, 38.1490** is the 20% darker color. If you saturate the color by 10%, you get **36.9800, 25.7552, 72.8348**, and if you desaturate by 10%, it is **47.4487, 40.1506, 75.0616**.

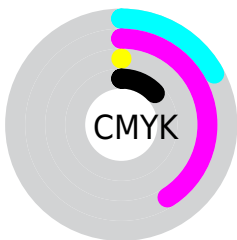
Distribution



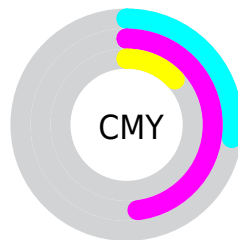
- Red (73%)
- Green (52%)
- Blue (87%)



- Red (73%)
- Yellow (52%)
- Blue (87%)



- Cyan (17%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8202, 32.2693, 73.8365 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 41.8202, 32.2693, 73.8365 by changing the saturation by 10% instead.

41.8202, 32.2693,
73.8365

41.8202, 32.2693,
73.8365

344.7414,
312.3442, 493.0572

29.1510, 21.5673,
54.1643

77.1943, 63.2330,
126.3959

19.3400, 13.5393,
38.3389

100.6299, 84.2635,
160.1202

12.0216, 7.8009,
25.9420

128.3851,
109.5056, 199.3655

6.8307, 3.9678,
16.5549

160.8252,
139.3437, 244.5504

3.4018, 1.6556,
9.7590

198.3155,
174.1623, 296.0935

1.3697, 0.3946,
5.1360

241.2214,

0.2345, 0.0000,

214.3456, 354.4133

2.2671

289.9082,
260.2781, 419.9284

■ 0.0000, 0.0000,
0.7127

■ 0.0000, 0.0000,
0.0000

■ 41.8202, 32.2693,
73.8365

■ 41.8202, 32.2693,
73.8365

■ 36.9800, 25.7552,
72.8348

■ 47.4487, 40.1506,
75.0616

■ 32.8807, 20.5200,
72.0403


■ 53.9025, 49.4723,
76.5207


■ 29.4743, 16.4708,
71.4383


■ 61.2202, 60.3069,
78.2263


■ 26.7049, 13.5001,
71.0109


■ 69.4368, 72.7207,
80.1894


 24.5065, 11.4796,
70.7367

 78.5850, 86.7761,
82.4202

 22.8869, 10.2600,
70.5867

 85.1520, 95.4439,
83.7471

 88.3145, 97.0742,
83.8951

 90.3194, 98.1078,
83.9889

Harmonies

Analogous

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



34.3140, 32.2693, 92.2091



41.8202, 32.2693, 73.8365



46.7041, 32.2693, 47.6825

Triad

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



41.8202, 32.2693, 73.8365



34.7858, 32.2693, 8.5296



18.7204, 32.2693, 46.1691

Complementary

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



41.8202, 32.2693, 73.8365



46.9157, 62.8771, 31.4949

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.



18.8045, 32.2693, 25.0091



41.8202, 32.2693, 73.8365



27.2954, 32.2693, 8.4002

Square

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



41.8202, 32.2693, 73.8365



42.2136, 32.2693, 13.5447



21.7036, 32.2693, 13.0665



21.4512, 32.2693, 72.3478

Rectangle

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



41.8202, 32.2693, 73.8365



47.3874, 32.2693, 32.2681



21.7036, 32.2693, 13.0665



18.4362, 32.2693, 38.1685

Sweetspot

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



41.8213, 32.2706, 73.8372



81.6232, 79.7228, 105.6938



37.1952, 38.9527, 75.3708



17.1811, 16.6323, 22.5548



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.



41.8213, 32.2706, 73.8372



50.9950, 36.0637, 98.8810



51.0029, 37.1194, 69.0484



13.7279, 13.6433, 17.2976



13.5882, 6.1003, 41.5097



1.0425, 0.4747, 2.8819

Inverse Universe

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



45.8451, 35.0563, 41.8875



57.5548, 40.5688, 48.4345



40.6074, 59.5629, 34.0080



13.9371, 13.7925, 15.4388



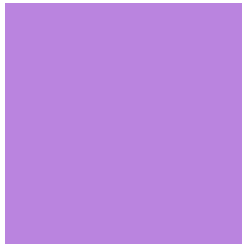
19.0479, 9.6862, 6.9182



1.3639, 0.6888, 0.7089

Previews

White Background



This preview shows how the XYZ color 41.8202, 32.2693, 73.8365 looks on a white background.

Color Contrast Check

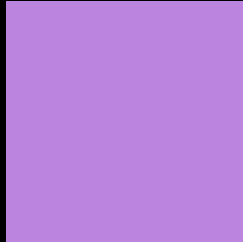
Large Text (above 18pt) WCAG AA × Fail

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 41.8202, 32.2693, 73.8365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

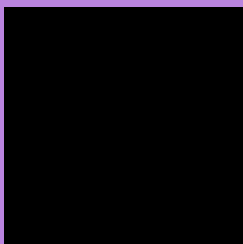
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8202, 32.2693, 73.8365

Background



This preview shows how black text looks on a background with the XYZ color 41.8202, 32.2693, 73.8365.

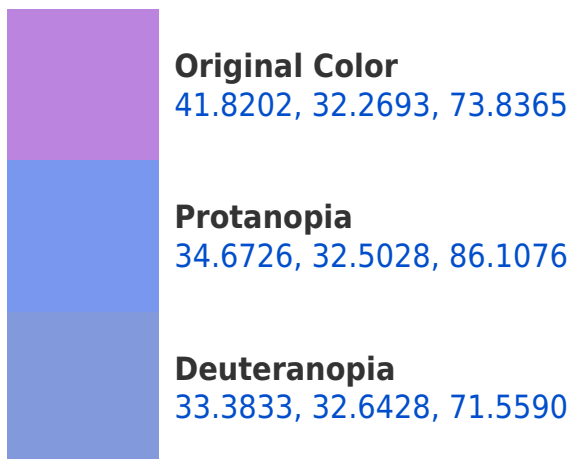


This preview shows how white text looks on a background with the XYZ color 41.8202, 32.2693,

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





Tritanopia

34.3549, 32.2565, 36.7632

Trichromacy



Original Color

41.8202, 32.2693, 73.8365

Protanomaly

36.3583, 31.8495, 81.3221

Deuteranomaly

35.6213, 31.9021, 71.9904

Tritanomaly

36.7908, 32.1305, 48.5187

Monochromacy



Original Color

41.8202, 32.2693, 73.8365

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.5531, 33.3073, 48.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8202, 32.2693, 73.8365 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(186, 132, 223)` looks like.

```
.text, #text, p{  
    color:rgb(186, 132, 223)  
}
```

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(186, 132, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 132, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.8202, 32.2693, 73.8365 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(186, 132, 223) }
```


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

```
.border{ border-color:rgb(186, 132, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 132, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 132, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 132, 223);  
box-shadow:4px 4px 4px 4px rgb(186, 132,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8202, 32.2693, 73.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 132, 223) }
```

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

```
.background{ background-color: rgb(186,  
132, 223) }
```

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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