

Converting Colors

XYZ(41.7726, 32.4077, 84.9425)

Have a look what the booklet for
XYZ(41.7726, 32.4077, 84.9425)
contains.

XYZ(41.8622, 32.4533, 84.9467)	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(41.8622, 32.4533,
84.9467)**

Conversions

Conversions Part 1

Format	Color
Hex	B086EE
RGB	176, 134, 238
RGB Percent	69%, 53%, 93%
CMY	0.3098, 0.4745, 0.0667
CMYK	0.26, 0.44, 0.00, 0.07
HSL	264°, 75%, 73%
HSV	264°, 44%, 93%
XYZ	41.8622, 32.4533, 84.9467
YIQ	158.4140, -8.3520, 41.2480

Conversions

Conversions Part 2

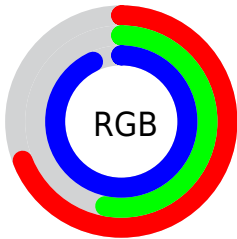
Format	Color
RYB	176, 134, 238
Decimal	11568878
CIELab	63.72, 36.82, -46.68
CIELCh	64, 59.449, 308.267
Yxy	32.4533, 0.2629, 0.2038
Android (android.graphics.Color)	4289758958 (0xFFB086EE)
YUV	158.4140, 39.2359, 15.4229
Hunter-Lab	56.9678, 31.4752, -48.5320

Details

The XYZ color **41.8622, 32.4533, 84.9467** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.6432, 74.6067, 33.9178**, and the grayscale version is **32.5183, 34.2118, 37.2567**.

A 20% lighter version of the original color is **69.6375, 60.5101, 102.6171**, and **19.4219, 13.6289, 45.8630** is the 20% darker color. If you saturate the color by 10%, you get **35.8933, 25.0308, 83.8292**, and if you desaturate by 10%, it is **48.9090, 41.5315, 86.3281**.

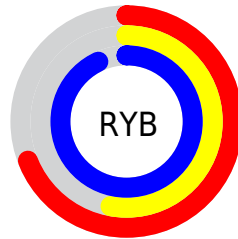
Distribution



Red (69%)

Green (53%)

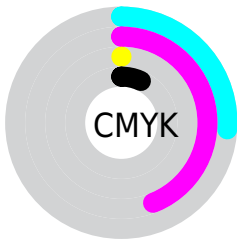
Blue (93%)



Red (69%)

Yellow (53%)

Blue (93%)

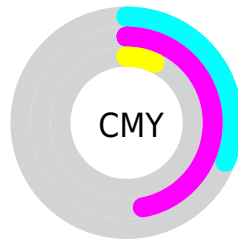


Cyan (26%)

Magenta (44%)

Yellow (0%)

Black (7%)



Cyan (31%)


Magenta (47%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8622, 32.4533, 84.9467 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 41.8622, 32.4533, 84.9467 by changing the saturation by 10% instead.


 41.8622, 32.4533,
84.9467

 41.8622, 32.4533,
84.9467


344.9127,
313.1790, 531.5917

 29.1840, 21.7080,
63.2474

 77.2575, 63.5210,
142.1722

 19.3651, 13.6425,
45.5991


 100.7054, 84.6123,
178.5355

 12.0399, 7.8724,
31.5832


 128.4738,
109.9209, 220.6240

 6.8433, 4.0134,
20.7812

160.9283,
139.8313, 268.8561

 3.4097, 1.6811,
12.7745

198.4340,
174.7279, 323.6503

 1.3740, 0.4114,
7.1445

241.3564,

 0.2376, 0.0000,

214.9952, 385.4253

3.4728

290.0609,
261.0174, 454.5996

■ 0.0000, 0.0000,
1.3408

■ 0.0000, 0.0000,
0.0949

■ 41.8622, 32.4533,
84.9467

■ 41.8622, 32.4533,
84.9467

■ 35.8933, 25.0308,
83.8292

■ 48.9090, 41.5315,
86.3281

■ 30.9380, 19.1543,
82.9561

■ 57.0855, 52.3577,
87.9869

■ 26.9305, 14.7065,
82.3088

■ 66.4442, 65.0220,
89.9381

■ 23.7939, 11.5508,
81.8650

■ 77.0331, 79.6069,
92.1951

■ 21.4365, 9.5218,
81.5976

■ 88.8973, 96.1898,
94.7706

■ 20.2690, 8.6663,
81.4940

■ 92.4327, 98.9531,
95.1177

Harmonies

Analogous

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



33.2058, 32.4533, 102.9074



41.8622, 32.4533, 84.9467



48.2368, 32.4533, 55.1790

Triad

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



41.8622, 32.4533, 84.9467



37.1622, 32.4533, 7.5642



17.5597, 32.4533, 42.3479

Complementary

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



41.8622, 32.4533, 84.9467



57.6432, 74.6067, 33.9178

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.



18.2356, 32.4533, 20.9318



41.8622, 32.4533, 84.9467



28.6005, 32.4533, 6.6115

Square

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



41.8622, 32.4533, 84.9467



45.2012, 32.4533, 13.8661



21.9546, 32.4533, 10.1774



19.9057, 32.4533, 72.0211

Rectangle

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



41.8622, 32.4533, 84.9467



49.7763, 32.4533, 36.7408



21.9546, 32.4533, 10.1774



17.4507, 32.4533, 33.9677

Sweetspot

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



41.8634, 32.4546, 84.9475



78.4710, 77.0856, 105.3509



45.0954, 50.9030, 88.3380



16.2464, 15.7495, 22.4336



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.



41.8634, 32.4546, 84.9475



42.9522, 30.4619, 98.2237



55.8267, 39.6529, 85.6009



15.5016, 15.5403, 19.9042



11.4453, 4.9057, 45.4715



1.0618, 0.4646, 3.7879

Inverse Universe

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



53.7496, 39.2139, 56.9611



58.8443, 39.5157, 60.0614



46.4501, 68.8365, 33.3939



16.1683, 15.9171, 18.4427



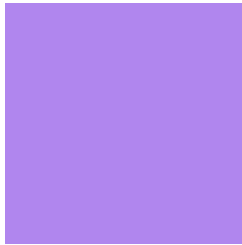
22.4562, 11.2549, 15.5848



1.9173, 0.9559, 1.5551

Previews

White Background



This preview shows how the XYZ color 41.8622, 32.4533, 84.9467 looks on a white background.

Color Contrast Check

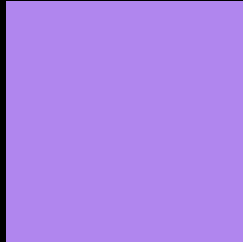
Large Text (above 18pt) WCAG AA × Fail

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 41.8622, 32.4533, 84.9467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

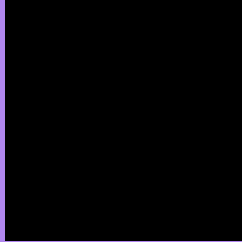
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8622, 32.4533, 84.9467

Background



This preview shows how black text looks on a background with the XYZ color 41.8622, 32.4533, 84.9467.



This preview shows how white text looks on a background with the XYZ color 41.8622, 32.4533,

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

41.8622, 32.4533, 84.9467

Protanopia

35.6063, 32.7358, 97.3705

Deuteranopia

33.7430, 32.8336, 82.4010



Tritanopia

32.5778, 32.4589, 39.1985

Trichromacy



Original Color

41.8622, 32.4533, 84.9467

Protanomaly

37.2220, 32.2623, 93.0724

Deuteranomaly

35.9103, 32.2689, 82.9331

Tritanomaly

35.3560, 32.1840, 53.0639

Monochromacy



Original Color

41.8622, 32.4533, 84.9467

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.2341, 33.0821, 51.5421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8622, 32.4533, 84.9467 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(176, 134, 238)` looks like.

```
.text, #text, p{  
    color:rgb(176, 134, 238)  
}
```

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(176, 134, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 134, 238) }
```

Border

The CSS property to change the border of an element to XYZ 41.8622, 32.4533, 84.9467 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(176, 134, 238) }
```


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

```
.border{ border-color:rgb(176, 134, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 134, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 134, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 134, 238);  
box-shadow:4px 4px 4px 4px rgb(176, 134,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8622, 32.4533, 84.9467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 134, 238) }
```

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

```
.background{ background-color: rgb(176,  
134, 238) }
```

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