

Converting Colors

XYZ(42.1291, 32.7639, 86.5424)

Have a look what the booklet for
XYZ(42.1291, 32.7639, 86.5424)
contains.

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Color

**XYZ(42.0713, 32.7332,
86.5388)**

Conversions

Conversions Part 1

Format	Color
Hex	AF87F0
RGB	175, 135, 240
RGB Percent	69%, 53%, 94%
CMY	0.3137, 0.4706, 0.0588
CMYK	0.27, 0.44, 0.00, 0.06
HSL	263°, 78%, 74%
HSV	263°, 44%, 94%
XYZ	42.0713, 32.7332, 86.5388
YIQ	158.9300, -9.8650, 41.1350

Conversions

Conversions Part 2

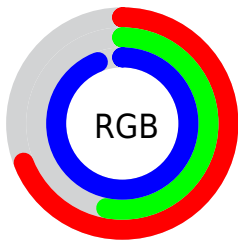
Format	Color
R_{YB}	175, 135, 240
Decimal	11503600
CIE _{Lab}	63.94, 36.47, -47.42
CIE _{LCh}	64, 59.823, 307.558
Yxy	32.7332, 0.2608, 0.2029
Android (android.graphics.Color)	4289693680 (0xFFAF87F0)
YUV	158.9300, 39.9675, 14.0934
Hunter-Lab	57.2129, 31.1366, -49.6315

Details

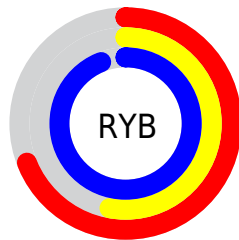
The XYZ color **42.0713, 32.7332, 86.5388** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.3535, 76.3495, 34.5316**, and the grayscale version is **32.7502, 34.4558, 37.5223**.

A 20% lighter version of the original color is **69.5263, 60.7710, 102.6733**, and **19.4633, 13.7526, 46.4284** is the 20% darker color. If you saturate the color by 10%, you get **35.9394, 25.1495, 85.3988**, and if you desaturate by 10%, it is **49.3272, 42.0179, 87.9491**.

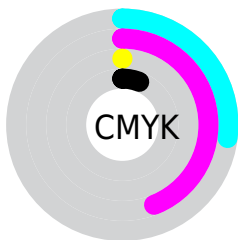
Distribution



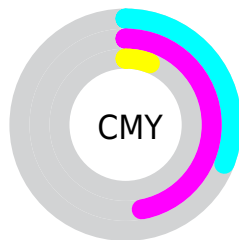
- Red (69%)
- Green (53%)
- Blue (94%)



- Red (69%)
- Yellow (53%)
- Blue (94%)



- Cyan (27%)
- Magenta (44%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (47%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0713, 32.7332, 86.5388 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 42.0713, 32.7332, 86.5388 by changing the saturation by 10% instead.

42.0713, 32.7332,
86.5388

42.0713, 32.7332,
86.5388

345.7650,
314.4458, 536.9830

29.3485, 21.9221,
64.5562

77.5720, 63.9588,
144.4143

19.4902, 13.7997,
46.6522

101.0806, 85.1421,
181.1443

12.1311, 7.9815,
32.4084

128.9152,
110.5515, 223.6271

6.9059, 4.0831,
21.4063

161.4411,
140.5716, 272.2813

3.4491, 1.7202,
13.2272

199.0236,
175.5867, 327.5255

1.3955, 0.4367,
7.4526

242.0283,

0.2530, 0.0000,

215.9812, 389.7781

3.6640

290.8203,
262.1394, 459.4578

■ 0.0000, 0.0000,
1.4429

■ 0.0000, 0.0000,
0.1748

■ 42.0713, 32.7332,
86.5388

■ 42.0713, 32.7332,
86.5388

■ 35.9394, 25.1495,
85.3988

■ 49.3272, 42.0179,
87.9491

■ 30.8647, 19.1542,
84.5090

■ 57.7613, 53.0986,
89.6434

■ 26.7782, 14.6267,
83.8505

■ 67.4284, 66.0679,
91.6372

■ 23.5999, 11.4264,
83.4003

■ 78.3786, 81.0107,
93.9443

■ 21.2344, 9.3835,
83.1307

■ 90.6580, 98.0041,
96.5771

■ 20.0852, 8.5374,
83.0279

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



33.2922, 32.7332, 104.2763



42.0713, 32.7332, 86.5388



48.6203, 32.7332, 56.4543

Triad

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



42.0713, 32.7332, 86.5388



37.7169, 32.7332, 7.6542



17.6547, 32.7332, 42.0995

Complementary

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



42.0713, 32.7332, 86.5388



59.3535, 76.3495, 34.5316

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.



18.4099, 32.7332, 20.6982



42.0713, 32.7332, 86.5388



29.0290, 32.7332, 6.5917

Square

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



42.0713, 32.7332, 86.5388



45.8064, 32.7332, 14.1771



22.2431, 32.7332, 10.0584



19.9532, 32.7332, 72.0724

Rectangle

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



42.0713, 32.7332, 86.5388



50.2715, 32.7332, 37.6553



22.2431, 32.7332, 10.0584



17.5684, 32.7332, 33.6997

Sweetspot

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



42.0725, 32.7345, 86.5396



78.2205, 76.9565, 105.3392



46.7243, 53.4501, 90.2929



16.1849, 15.7178, 22.4307



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.



42.0725, 32.7345, 86.5396



42.2735, 30.1120, 98.1919



55.7571, 39.7891, 87.1800



15.4664, 15.5222, 19.9025



11.1316, 4.7439, 45.4568



1.0335, 0.4500, 3.7866

Inverse Universe

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



55.0253, 40.0245, 59.4697



59.2061, 39.6605, 61.9671



47.9287, 70.4598, 33.9969



16.1842, 15.9234, 18.5261



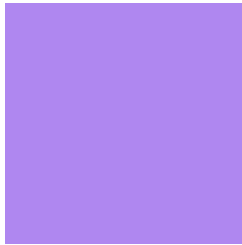
22.6892, 11.3481, 16.8118



1.9358, 0.9634, 1.6530

Previews

White Background



This preview shows how the XYZ color 42.0713, 32.7332, 86.5388 looks on a white background.

Color Contrast Check

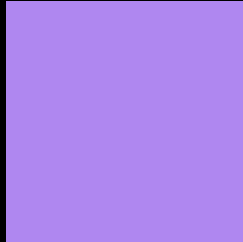
Large Text (above 18pt) WCAG AA × Fail

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 42.0713, 32.7332, 86.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

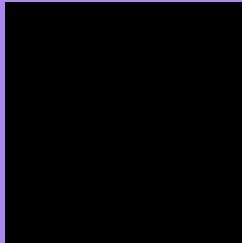
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0713, 32.7332, 86.5388

Background



This preview shows how black text looks on a background with the XYZ color 42.0713, 32.7332, 86.5388.



This preview shows how white text looks on a background with the XYZ color 42.0713, 32.7332,

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

42.0713, 32.7332, 86.5388

Protanopia

36.0883, 33.1872, 99.1115

Deuteranopia

33.8984, 32.8803, 83.9168



Tritanopia

32.6270, 32.7139, 39.7167

Trichromacy



Original Color

42.0713, 32.7332, 86.5388

Protanomaly

37.6875, 32.6941, 94.7667

Deuteranomaly

36.0363, 32.3002, 84.4560

Tritanomaly

35.5192, 32.4705, 54.2645

Monochromacy



Original Color

42.0713, 32.7332, 86.5388

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.5005, 33.4429, 52.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0713, 32.7332, 86.5388 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, 135, 240)` looks like.

```
.text, #text, p{  
    color:rgb(175, 135, 240)  
}
```

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, 135, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 135, 240) }
```

Border

The CSS property to change the border of an element to XYZ 42.0713, 32.7332, 86.5388 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, 135, 240) }
```


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

```
.border{ border-color:rgb(175, 135, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 135, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 135, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 135, 240);  
box-shadow:4px 4px 4px 4px rgb(175, 135,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0713, 32.7332, 86.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 135, 240) }
```

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

```
.background{ background-color: rgb(175,  
135, 240) }
```

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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