

# Converting Colors

XYZ(47.7637, 34.3482,  
121.9857)

Have a look what the booklet for  
XYZ(47.7637, 34.3482, 121.9857)  
contains.

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# Color

**XYZ(43.3145, 32.4932,  
98.5966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC84FF
RGB	172, 132, 255
RGB Percent	67%, 52%, 100%
CMY	0.3255, 0.4823, 0.0000
CMYK	0.33, 0.48, 0.00, 0.00
HSL	260°, 100%, 76%
HSV	260°, 48%, 100%
XYZ	43.3145, 32.4932, 98.5966
YIQ	157.9820, -15.6430, 46.7330

# Conversions

## Conversions Part 2

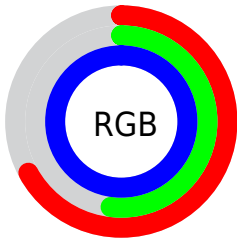
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 132, 255
Decimal	11306239
CIE <sub>Lab</sub>	63.75, 41.03, -56.00
CIE <sub>LCh</sub>	64, 69.417, 306.230
Yxy	32.4932, 0.2484, 0.1863
Android (android.graphics.Color)	4289496319 (0xFFAC84FF)
YUV	157.9820, 47.8299, 12.2938
Hunter-Lab	57.0028, 35.8812, -62.6507

# Details

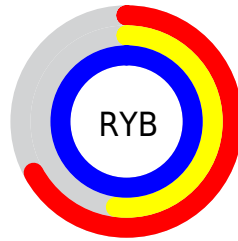
The XYZ color **43.3145, 32.4932, 98.5966** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.9492, 87.6330, 35.1644**, and the grayscale version is **32.2875, 33.9690, 36.9922**.

A 20% lighter version of the original color is **68.2420, 59.1608, 102.4302**, and **20.2057, 13.6069, 54.9875** is the 20% darker color. If you saturate the color by 10%, you get **36.7346, 24.5805, 97.4161**, and if you desaturate by 10%, it is **51.2308, 42.3502, 100.0820**.

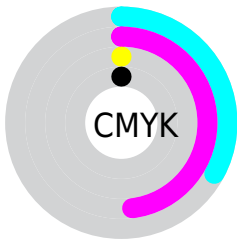
# Distribution



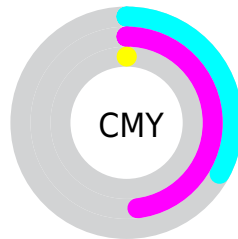
- Red (67%)
- Green (52%)
- Blue (100%)



- Red (67%)
- Yellow (52%)
- Blue (100%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3145, 32.4932, 98.5966 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 43.3145, 32.4932, 98.5966 by changing the saturation by 10% instead.



43.3145, 32.4932,  
98.5966

43.3145, 32.4932,  
98.5966

350.8032,  
313.3598, 576.8920

30.3275, 21.7385,  
74.5187

79.4380, 63.5835,  
161.2623

20.2366, 13.6649,  
54.7193

103.3052, 84.6878,  
200.6871

12.6764, 7.8880,  
38.7800

131.5300,  
110.0109, 246.0646

7.2816, 4.0233,  
26.2821

164.4775,  
139.9369, 297.8134

3.6867, 1.6866,  
16.8071

202.5133,  
174.8505, 356.3520

1.5265, 0.4150,  
9.9366

246.0026,

0.3437, 0.0000,

215.1359, 422.0990

5.2519

295.3107,  
261.1775, 495.4728

■ 0.0000, 0.0000,  
2.3345

■ 0.0000, 0.0000,  
0.7504

■ 43.3145, 32.4932,  
98.5966

■ 43.3145, 32.4932,  
98.5966

■ 36.7346, 24.5805,  
97.4161

■ 51.2308, 42.3502,  
100.0820

■ 31.4061, 18.4736,  
96.5182

■ 60.5537, 54.2698,  
101.8913

■ 27.2391, 14.0209,  
95.8784

■ 71.3529, 68.3647,  
104.0427

■ 24.1280, 11.0427,  
95.4675

■ 83.6917, 84.7384,  
106.5529

■ 21.9337, 9.2947,  
95.2458

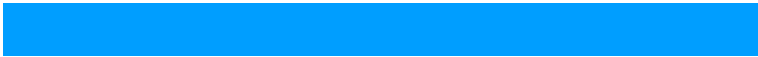
95.0500, 100.0000,  
108.9000

■ 21.6111, 9.0558,  
95.2167

# Harmonies

## Analogous

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



32.9590, 32.4932, 119.8549



43.3145, 32.4932, 98.5966



51.3665, 32.4932, 61.6712

# Triad

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



43.3145, 32.4932, 98.5966



39.0559, 32.4932, 5.5084



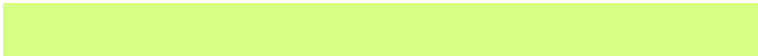
15.7680, 32.4932, 41.5189

# Complementary

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



43.3145, 32.4932, 98.5966



67.9492, 87.6330, 35.1644

# 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.



16.7303, 32.4932, 17.8782



43.3145, 32.4932, 98.5966



28.8976, 32.4932, 4.3728

# Square

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



43.3145, 32.4932, 98.5966



48.5686, 32.4932, 12.2194



21.0928, 32.4932, 7.3685



18.1161, 32.4932, 77.4396



# Rectangle

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



43.3145, 32.4932, 98.5966



53.5685, 32.4932, 39.0212



21.0928, 32.4932, 7.3685



15.7234, 32.4932, 31.9719

# Sweetspot

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



43.3157, 32.4944, 98.5968



76.3859, 75.0137, 105.0609



52.1351, 61.2636, 103.6850



15.7933, 15.3198, 22.3746



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.



43.3157, 32.4944, 98.5968



36.8740, 24.7446, 97.4404



59.7268, 40.9546, 99.3648



17.5593, 17.6645, 22.7341



11.4305, 4.8031, 49.7592



1.2219, 0.5238, 4.8500



# Inverse Universe

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



61.7573, 42.6696, 69.2706



57.7584, 36.2964, 62.9294



53.3569, 80.1104, 34.4815



18.5266, 18.1940, 21.3904



25.5147, 12.6952, 21.8928

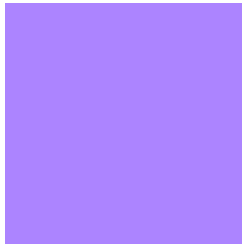


2.5345, 1.2562, 2.3961



# Previews

## White Background



This preview shows how the XYZ color 43.3145, 32.4932, 98.5966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

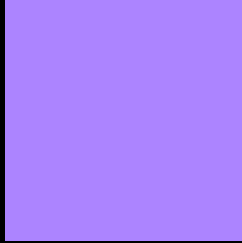
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3145, 32.4932, 98.5966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

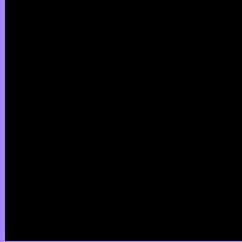
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.3145, 32.4932, 98.5966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3145, 32.4932, 98.5966.



This preview shows how white text looks on a background with the XYZ color 43.3145, 32.4932,



# 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

43.3145, 32.4932, 98.5966

### Protanopia

35.6722, 32.7327, 99.0457

### Deuteranopia

33.9064, 32.8862, 95.0031



## Tritanopia

31.5092, 32.3691, 40.1845

# Trichromacy



## Original Color

43.3145, 32.4932, 98.5966

## Protanomaly

37.6961, 32.1531, 98.8271

## Deuteranomaly

36.3166, 32.1808, 96.3929

## Tritanomaly

35.0164, 31.9051, 57.7388

# Monochromacy



## Original Color

43.3145, 32.4932, 98.5966

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

35.4773, 33.1317, 54.9773

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3145, 32.4932, 98.5966 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(172, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 132, 255)  
}
```

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(172, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 132, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3145, 32.4932, 98.5966 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(172, 132, 255) }
```



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

```
.border{ border-color:rgb(172, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 132,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3145, 32.4932, 98.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 132, 255) }
```

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

```
.background{ background-color: rgb(172,  
132, 255) }
```

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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