

# Converting Colors

XYZ(43.5726, 29.4374, 97.9932)

Have a look what the booklet for  
XYZ(43.5726, 29.4374, 97.9932)  
contains.

<b>XYZ(43.7092, 29.5487, 98.0075)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.7092, 29.5487,  
98.0075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B773FF
RGB	183, 115, 255
RGB Percent	72%, 45%, 100%
CMY	0.2823, 0.5490, 0.0000
CMYK	0.28, 0.55, 0.00, 0.00
HSL	269°, 100%, 73%
HSV	269°, 55%, 100%
XYZ	43.7092, 29.5487, 98.0075
YIQ	151.2920, -4.4120, 57.9560

# Conversions

## Conversions Part 2

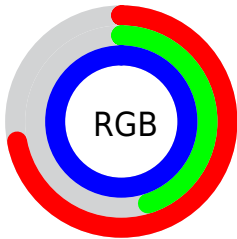
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 115, 255
Decimal	12022783
CIE <sub>Lab</sub>	61.26, 52.91, -59.89
CIE <sub>LCh</sub>	61, 79.915, 311.455
Yxy	29.5487, 0.2552, 0.1725
Android (android.graphics.Color)	4290212863 (0xFFB773FF)
YUV	151.2920, 51.1280, 27.8079
Hunter-Lab	54.3587, 48.4020, -68.8474

# Details

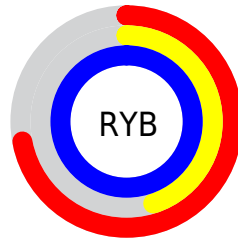
The XYZ color **43.7092, 29.5487, 98.0075** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **59.3479, 83.3225, 29.1753**, and the grayscale version is **29.3306, 30.8581, 33.6045**.

A 20% lighter version of the original color is **68.8559, 54.4732, 101.4930**, and **20.4597, 12.0219, 54.0654** is the 20% darker color. If you saturate the color by 10%, you get **38.2181, 22.9824, 97.0295**, and if you desaturate by 10%, it is **50.2972, 37.8749, 99.2674**.

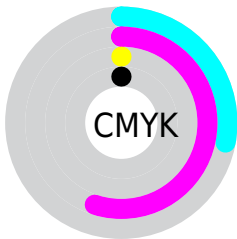
# Distribution



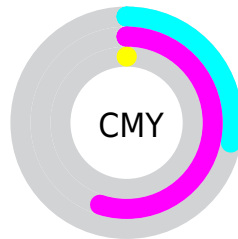
- Red (72%)
- Green (45%)
- Blue (100%)



- Red (72%)
- Yellow (45%)
- Blue (100%)



- Cyan (28%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (55%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7092, 29.5487, 98.0075 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 43.7092, 29.5487, 98.0075 by changing the saturation by 10% instead.





 43.7092, 29.5487,  
98.0075


 43.7092, 29.5487,  
98.0075

352.3926,  
299.7951, 574.9775

 30.6389, 19.4963,  
74.0300


 80.0290, 58.9477,  
160.4442

 20.4745, 12.0294,  
54.3216


 104.0093, 79.0632,  
199.7405

 12.8507, 6.7637,  
38.4639


 132.3569,  
103.3017, 244.9802

 7.4021, 3.3148,  
26.0383

165.4372,  
132.0478, 296.5817

 3.7634, 1.2982,  
16.6263

203.6155,  
165.6858, 354.9637

 1.5692, 0.1398,  
9.8093

247.2573,

 0.3722, 0.0000,

204.6000, 420.5446

5.1687

296.7279,  
249.1750, 493.7430

■ 0.0000, 0.0000,  
2.2861

■ 0.0000, 0.0000,  
0.7234

■ 43.7092, 29.5487,  
98.0075

■ 43.7092, 29.5487,  
98.0075

■ 38.2181, 22.9824,  
97.0295

■ 50.2972, 37.8749,  
99.2674

■ 33.7445, 18.0327,  
96.3099

■ 58.0467, 48.0824,  
100.8292

■ 30.2019, 14.5375,  
95.8219

■ 67.0206, 60.2853,  
102.7116

■ 27.4842, 12.2972,  
95.5328

■ 77.2762, 74.5874,  
104.9317

■ 26.3422, 11.4948,  
95.4381

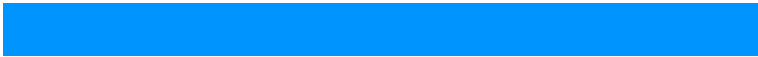
■ 88.8668, 91.0852,  
107.5052

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



32.2948, 29.5487, 128.8299



43.7092, 29.5487, 98.0075



51.9451, 29.5487, 54.3272

# Triad

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



43.7092, 29.5487, 98.0075



35.0189, 29.5487, 2.5803



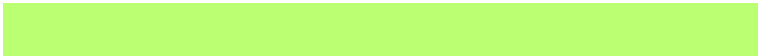
12.5646, 29.5487, 45.0973

# Complementary

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



43.7092, 29.5487, 98.0075



59.3479, 83.3225, 29.1753

# 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.



12.9469, 29.5487, 17.0476



43.7092, 29.5487, 98.0075



24.2582, 29.5487, 2.2507

# Square

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



43.7092, 29.5487, 98.0075



46.1269, 29.5487, 7.0487



16.7139, 29.5487, 5.3640



15.4939, 29.5487, 87.7474



# Rectangle

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



43.7092, 29.5487, 98.0075



53.5331, 29.5487, 30.7257



16.7139, 29.5487, 5.3640



12.3343, 29.5487, 33.6661

# Sweetspot

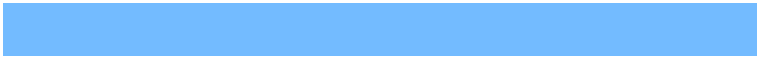
The Sweet Spot groups the original color and five complimentary colors.



43.7103, 29.5498, 98.0076



76.0848, 72.9099, 104.6707



42.9620, 46.5478, 101.3280



15.8168, 14.9483, 22.3016



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.



43.7103, 29.5498, 98.0076



37.6781, 22.3621, 96.9382



64.5678, 40.3022, 98.9837



17.8429, 17.8107, 22.7473



13.9352, 6.0943, 49.8764



1.4823, 0.6581, 4.8622



# Inverse Universe

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



56.3405, 37.1099, 51.2065



52.1911, 31.0548, 42.9063



46.2360, 76.5631, 28.5617



18.3994, 18.1431, 20.7202



23.7702, 11.9974, 12.7060

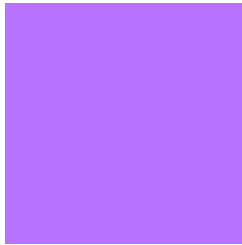


2.3696, 1.1902, 1.5279



# Previews

## White Background



This preview shows how the XYZ color 43.7092, 29.5487, 98.0075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

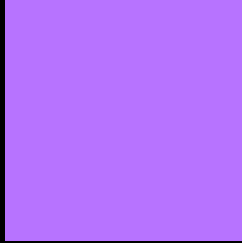
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7092, 29.5487, 98.0075 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 × Fail

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

**XYZ 43.7092, 29.5487, 98.0075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7092, 29.5487, 98.0075.



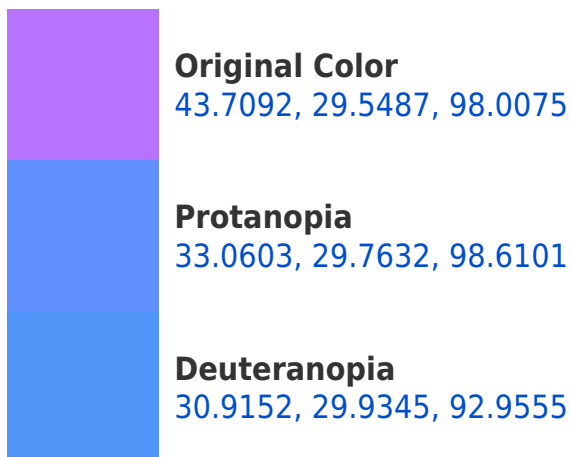
This preview shows how white text looks on a background with the XYZ color 43.7092, 29.5487,



# 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

30.7326, 29.5384, 34.2187

# Trichromacy



## Original Color

43.7092, 29.5487, 98.0075



## Protanomaly

35.4908, 28.6622, 98.2695



## Deuteranomaly

33.6944, 28.6383, 95.0186



## Tritanomaly

34.3401, 28.8782, 52.4793

# Monochromacy



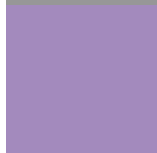
## Original Color

43.7092, 29.5487, 98.0075



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

33.3780, 29.6376, 52.1055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7092, 29.5487, 98.0075 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(183, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 115, 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(183, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 115, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7092, 29.5487, 98.0075 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(183, 115, 255) }
```



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

```
.border{ border-color:rgb(183, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 115,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7092, 29.5487, 98.0075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 115, 255) }
```

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

```
.background{ background-color: rgb(183,  
115, 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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