

# Converting Colors

XYZ(79.7678, 71.5108,  
148.6748)

Have a look what the booklet for  
XYZ(79.7678, 71.5108, 148.6748)  
contains.

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# Color

**XYZ(71.3463, 68.1790,  
104.0073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D0FF
RGB	224, 208, 255
RGB Percent	88%, 82%, 100%
CMY	0.1216, 0.1843, 0.0000
CMYK	0.12, 0.18, 0.00, 0.00
HSL	260°, 100%, 91%
HSV	260°, 18%, 100%
XYZ	71.3463, 68.1790, 104.0073
YIQ	218.1420, -5.5510, 18.0090

# Conversions

## Conversions Part 2

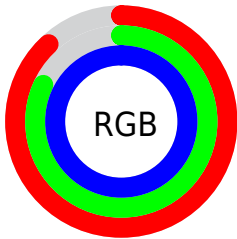
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 208, 255
Decimal	14733567
CIE Lab	86.10, 14.34, -20.94
CIE LCh	86, 25.382, 304.404
Yxy	68.1790, 0.2930, 0.2800
Android (android.graphics.Color)	4292923647 (0xFFE0D0FF)
YUV	218.1420, 18.1710, 5.1375
Hunter-Lab	82.5706, 9.7370, -16.8833

# Details

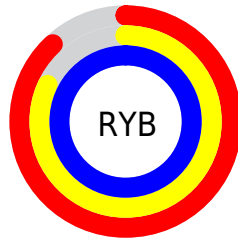
The XYZ color **71.3463, 68.1790, 104.0073** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7433, 94.4255, 73.5426**, and the grayscale version is **66.6215, 70.0910, 76.3291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8971, 35.5133, 58.2834** is the 20% darker color. If you saturate the color by 10%, you get **60.6647, 54.1748, 101.8671**, and if you desaturate by 10%, it is **83.5469, 84.4535, 106.5055**.

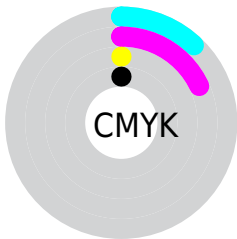
# Distribution



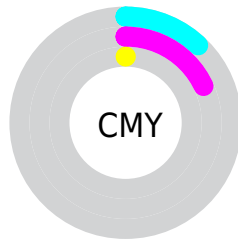
- Red (88%)
- Green (82%)
- Blue (100%)



- Red (88%)
- Yellow (82%)
- Blue (100%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3463, 68.1790, 104.0073 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 71.3463, 68.1790, 104.0073 by changing the saturation by 10% instead.



71.3463, 68.1790,  
104.0073

71.3463, 68.1790,  
104.0073

454.4561,  
454.1300, 594.3215

52.9084, 50.0434,  
79.0159

120.1425,  
116.6082, 168.7530

37.9568, 35.4479,  
58.3875

151.2316,  
147.6705, 209.3445

26.1263, 24.0081,  
41.7035

187.2684,  
183.8106, 255.9731

17.0513, 15.3396,  
28.5454

228.6183,  
225.4127, 309.0573

10.3666, 9.0581,  
18.4946

275.6466,  
272.8613, 369.0157

5.7068, 4.7791,  
11.1325

328.7188,

2.7066, 2.1182,

326.5408, 436.2669

6.0408

388.2002,  
386.8355, 511.2293

■ 1.0006, 0.6749,  
2.8007

■ 0.0000, 0.0000,  
0.9938

■ 71.3463, 68.1790,  
104.0073

■ 71.3463, 68.1790,  
104.0073

■ 60.6647, 54.1748,  
101.8671

■ 83.5469, 84.4535,  
106.5055

■ 51.4337, 42.3295,  
100.0673

95.0500, 100.0000,  
108.9000

■ 43.5882, 32.5348,  
98.5902

■ 37.0552, 24.6694,  
97.4164

■ 31.7547, 18.5986,  
96.5240

■ 27.5968, 14.1700,  
95.8883

■ 24.4771, 11.2040,  
95.4803

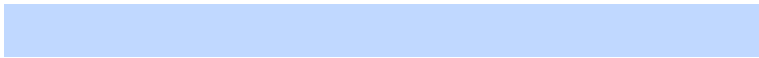
■ 22.2561, 9.4528,  
95.2593

■ 21.9621, 9.2367,  
95.2331

# Harmonies

## Analogous

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



65.6670, 68.1790, 111.0764



71.3463, 68.1790, 104.0073



75.4496, 68.1790, 88.9906

# Triad

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



71.3463, 68.1790, 104.0073



69.7679, 68.1790, 48.8773



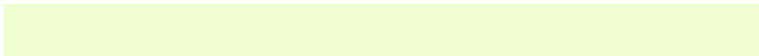
54.2531, 68.1790, 76.7288

# Complementary

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



71.3463, 68.1790, 104.0073



82.7433, 94.4255, 73.5426

# 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.



55.2067, 68.1790, 61.2085



71.3463, 68.1790, 104.0073



63.9448, 68.1790, 46.6003

# Square

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



71.3463, 68.1790, 104.0073



74.5006, 68.1790, 57.5291



58.6708, 68.1790, 50.7675



55.9841, 68.1790, 93.8981



# Rectangle

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



71.3463, 68.1790, 104.0073



76.6142, 68.1790, 77.4108



58.6708, 68.1790, 50.7675



54.2711, 68.1790, 71.1480

# Sweetspot

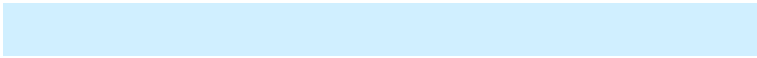
The Sweet Spot groups the original color and five complimentary colors.



71.3482, 68.1818, 104.0077



86.7460, 88.7596, 107.1681



75.0285, 82.5599, 106.5890



18.3812, 18.7475, 22.8998



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.



71.3482, 68.1818, 104.0077



67.3628, 62.9257, 103.2032



79.0239, 72.1388, 104.3669



17.5858, 17.6782, 22.7353



11.6182, 4.8999, 49.7680



1.2426, 0.5345, 4.8509



# Inverse Universe

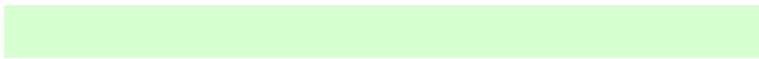
The Inverse Universe completely reimagines the original color for something new.



79.3775, 72.6063, 91.4943



76.7667, 68.1114, 88.3841



75.4166, 90.6485, 73.1997



18.5145, 18.1891, 21.3264



25.3242, 12.6190, 20.8898



2.5169, 1.2491, 2.3036



# Previews

## White Background



This preview shows how the XYZ color 71.3463, 68.1790, 104.0073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

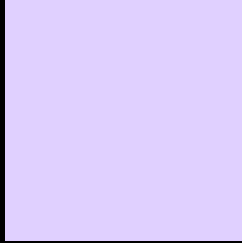
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3463, 68.1790, 104.0073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

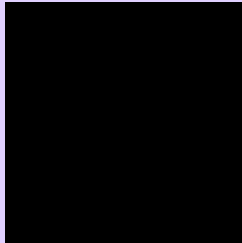
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.3463, 68.1790, 104.0073**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3463, 68.1790, 104.0073.



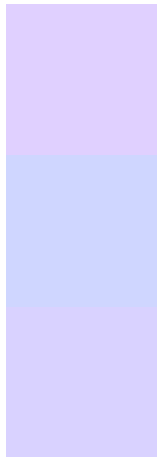
This preview shows how white text looks on a background with the XYZ color 71.3463, 68.1790,



# 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

71.3463, 68.1790, 104.0073

### Protanopia

67.8287, 68.5785, 104.2698

### Deuteranopia

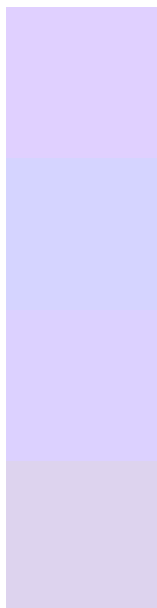
69.7119, 68.0649, 104.0714



## Tritanopia

67.4523, 68.4613, 83.7880

# Trichromacy



## Original Color

71.3463, 68.1790, 104.0073

## Protanomaly

69.0341, 68.4531, 104.1820

## Deuteranomaly

70.3657, 68.0366, 104.0314

## Tritanomaly

68.5457, 68.1337, 90.4273

# Monochromacy



## Original Color

71.3463, 68.1790, 104.0073

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.9856, 69.0783, 85.3515

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3463, 68.1790, 104.0073 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(224, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 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(224, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3463, 68.1790, 104.0073 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(224, 208, 255) }
```



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

```
.border{ border-color:rgb(224, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 208,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3463, 68.1790, 104.0073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 255) }
```

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

```
.background{ background-color: rgb(224,  
208, 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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