

# Converting Colors

XYZ(35.7695, 21.6549, 74.7793)

Have a look what the booklet for  
XYZ(35.7695, 21.6549, 74.7793)  
contains.

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# Color

**XYZ(35.7040, 21.6268,  
74.9656)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B355E3
RGB	179, 85, 227
RGB Percent	70%, 33%, 89%
CMY	0.2980, 0.6667, 0.1098
CMYK	0.21, 0.63, 0.00, 0.11
HSL	280°, 72%, 61%
HSV	280°, 63%, 89%
XYZ	35.7040, 21.6268, 74.9656
YIQ	129.2940, 10.4420, 64.0900

# Conversions

## Conversions Part 2

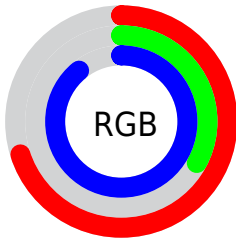
Format	Color
R <sub>Y</sub> B	179, 85, 227
Decimal	11752931
CIE Lab	53.63, 60.65, -56.55
CIE LCh	54, 82.922, 317.000
Yxy	21.6268, 0.2699, 0.1635
Android (android.graphics.Color)	4289943011 (0xFFB355E3)
YUV	129.2940, 48.1691, 43.5922
Hunter-Lab	46.5046, 55.6606, -63.0224

# Details

The XYZ color **35.7040, 21.6268, 74.9656** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **38.7823, 60.5811, 18.2444**, and the grayscale version is **20.8040, 21.8875, 23.8355**.

A 20% lighter version of the original color is **62.6880, 44.1533, 99.8262**, and **15.7461, 7.8166, 39.2069** is the 20% darker color. If you saturate the color by 10%, you get **32.4707, 17.7194, 74.3822**, and if you desaturate by 10%, it is **39.6108, 26.7327, 75.7456**.

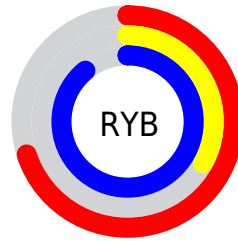
# Distribution



Red (70%)

Green (33%)

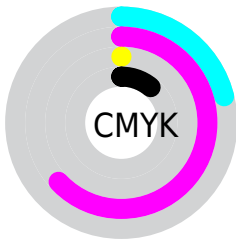
Blue (89%)



Red (70%)

Yellow (33%)

Blue (89%)

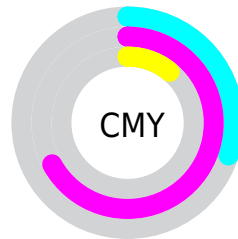


Cyan (21%)

Magenta (63%)

Yellow (0%)

Black (11%)



Cyan (30%)

Magenta (67%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7040, 21.6268, 74.9656 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 35.7040, 21.6268, 74.9656 by changing the saturation by 10% instead.





 35.7040, 21.6268,  
74.9656


 35.7040, 21.6268,  
74.9656

319.1188,  
260.5911, 497.0516


 24.3747, 13.5829,  
55.0831


 67.9018, 46.1284,  
128.0103


 15.7381, 7.8312,  
39.0692


 89.5011, 63.3549,  
162.0097

 9.4287, 3.9871,  
26.5054


 115.2544, 84.4111,  
201.5517

 5.0812, 1.6664,  
16.9729

 145.5270,  
109.6814, 247.0550

 2.3302, 0.4017,  
10.0534

180.6845,  
139.5501, 298.9381

 0.8101, 0.0000,  
5.3283

221.0920,

 0.0000, 0.0000,

174.4017, 357.6196

2.3791

267.1150,  
214.6206, 423.5179

■ 0.0000, 0.0000,  
0.7750

■ 0.0000, 0.0000,  
0.0000

■ 35.7040, 21.6268,  
74.9656

■ 35.7040, 21.6268,  
74.9656

■ 32.4707, 17.7194,  
74.3822

■ 39.6108, 26.7327,  
75.7456

■ 29.8496, 14.8930,  
73.9748

■ 44.2394, 33.1345,  
76.7373

■ 27.7711, 13.0102,  
73.7209

■ 49.6364, 40.9222,  
77.9560

■ 26.4924, 12.0556,  
73.6041

■ 55.8437, 50.1768,  
79.4152

62.8995, 60.9733,  
81.1273

70.8398, 73.3810,  
83.1037

79.6981, 87.4654,  
85.3554

85.6921, 95.6592,  
86.6210

88.3581, 97.0336,  
86.7458

# Harmonies

## Analogous

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



25.9502, 21.6268, 107.8226



35.7040, 21.6268, 74.9656



42.0274, 21.6268, 36.3188

# Triad

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



35.7040, 21.6268, 74.9656



24.6316, 21.6268, 0.8156



8.1879, 21.6268, 40.8892

# Complementary

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



35.7040, 21.6268, 74.9656



38.7823, 60.5811, 18.2444

# 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.



8.0224, 21.6268, 14.1883



35.7040, 21.6268, 74.9656



15.9658, 21.6268, 0.9204

# Square

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



35.7040, 21.6268, 74.9656



34.5028, 21.6268, 2.8532



10.4431, 21.6268, 3.4843



10.9877, 21.6268, 80.2985



# Rectangle

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



35.7040, 21.6268, 74.9656



42.5283, 21.6268, 18.0879



10.4431, 21.6268, 3.4843



7.8582, 21.6268, 30.0090

# Sweetspot

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



35.7049, 21.6277, 74.9661



75.7233, 69.9130, 104.1113



26.2344, 24.7226, 76.0626



15.6628, 14.1363, 22.1530



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.



35.7049, 21.6277, 74.9661



41.1928, 21.8513, 96.6544



46.0318, 27.2703, 61.0398



14.4971, 14.3585, 18.1517



15.5795, 7.0974, 42.9320



1.2494, 0.5750, 3.1771



# Inverse Universe

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



39.1613, 24.5221, 24.8603



46.9818, 26.4676, 23.1919



33.8332, 57.9168, 23.1144



14.5770, 14.4480, 15.9728



19.2996, 9.8541, 5.2067



1.4683, 0.7450, 0.6066



# Previews

## White Background



This preview shows how the XYZ color 35.7040, 21.6268, 74.9656 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

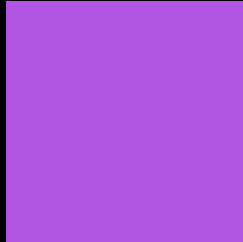
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7040, 21.6268, 74.9656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

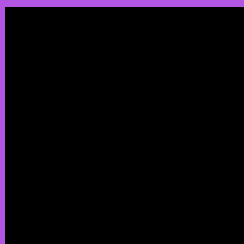
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.7040, 21.6268, 74.9656**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7040, 21.6268, 74.9656.



This preview shows how white text looks on a background with the XYZ color 35.7040, 21.6268,

74.9656.

# 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

35.7040, 21.6268, 74.9656

### Protanopia

26.2125, 22.1275, 97.4972

### Deuteranopia

22.6241, 22.0514, 69.3936



## Tritanopia

24.8731, 21.5032, 21.9084

# Trichromacy



## Original Color

35.7040, 21.6268, 74.9656



## Protanomaly

26.4710, 20.0197, 88.8552



## Deuteranomaly

24.8942, 20.2583, 71.0048



## Tritanomaly

27.7455, 20.9089, 36.2917

# Monochromacy



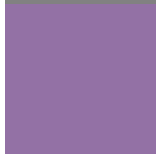
## Original Color

35.7040, 21.6268, 74.9656



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

24.7293, 20.7299, 38.2952

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7040, 21.6268, 74.9656 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(179, 85, 227)` looks like.

```
.text, #text, p{  
    color:rgb(179, 85, 227)  
}
```

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(179, 85, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 85, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7040, 21.6268, 74.9656 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(179, 85, 227) }
```



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

```
.border{ border-color:rgb(179, 85, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 85, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 85, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 85, 227);  
box-shadow:4px 4px 4px 4px rgb(179, 85,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7040, 21.6268, 74.9656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 85, 227) }
```

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

```
.background{ background-color: rgb(179, 85,  
227) }
```

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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