

# Converting Colors

XYZ(47.0457, 35.3234, 75.4531)

Have a look what the booklet for  
XYZ(47.0457, 35.3234, 75.4531)  
contains.

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# Color

**XYZ(47.0175, 35.3238,  
75.5742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC86E1
RGB	204, 134, 225
RGB Percent	80%, 53%, 88%
CMY	0.2000, 0.4745, 0.1176
CMYK	0.09, 0.40, 0.00, 0.12
HSL	286°, 60%, 70%
HSV	286°, 40%, 88%
XYZ	47.0175, 35.3238, 75.5742
YIQ	165.3040, 12.5090, 43.1410

# Conversions

## Conversions Part 2

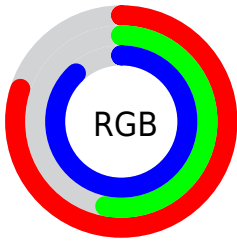
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 134, 225</a>
Decimal	<a href="#">13403873</a>
CIELab	<a href="#">66.00, 41.99, -35.70</a>
CIELCh	<a href="#">66, 55.114, 319.628</a>
Yxy	<a href="#">35.3238, 0.2977, 0.2237</a>
Android (android.graphics.Color)	<a href="#">4291593953 (0xFFCC86E1)</a>
YUV	<a href="#">165.3040, 29.4301, 33.9364</a>
Hunter-Lab	<a href="#">59.4338, 37.2003, -33.7876</a>

# Details

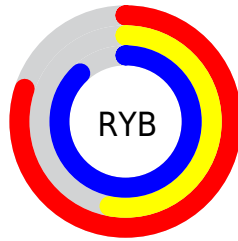
The XYZ color **47.0175, 35.3238, 75.5742** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.7470, 62.5411, 32.2691**, and the grayscale version is **35.7700, 37.6329, 40.9822**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **22.3915, 15.1951, 39.2889** is the 20% darker color. If you saturate the color by 10%, you get **42.8330, 29.0316, 74.5808**, and if you desaturate by 10%, it is **51.9134, 42.9665, 76.7919**.

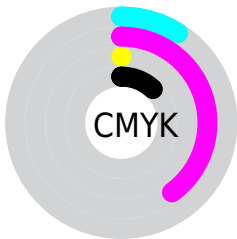
# Distribution



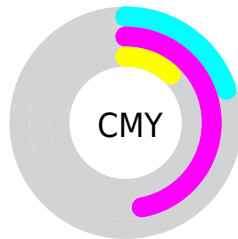
- Red (80%)
- Green (53%)
- Blue (88%)



- Red (80%)
- Yellow (53%)
- Blue (88%)



- Cyan (9%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (47%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0175, 35.3238, 75.5742 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 47.0175, 35.3238, 75.5742 by changing the saturation by 10% instead.



47.0175, 35.3238,  
75.5742

47.0175, 35.3238,  
75.5742

365.5321,  
325.9953, 499.1968

33.2575, 23.9124,  
55.5789

84.9583, 67.9871,  
128.8794

22.4840, 15.2687,  
39.4636

109.8699, 90.0078,  
163.0263

14.3315, 9.0082,  
26.8100

139.2293,  
116.3337, 202.7276

8.4348, 4.7465,  
17.1994

173.4019,  
147.3492, 248.4016

4.4286, 2.0993,  
10.2133

212.7532,  
183.4387, 300.4670

1.9473, 0.6642,  
5.4332

257.6484,

0.6041, 0.0000,

224.9866, 359.3423

2.4404

308.4529,  
272.3773, 425.4461

■ 0.0000, 0.0000,  
0.8083

■ 0.0000, 0.0000,  
0.0000

■ 47.0175, 35.3238,  
75.5742

■ 47.0175, 35.3238,  
75.5742

■ 42.8330, 29.0316,  
74.5808

■ 51.9134, 42.9665,  
76.7919

■ 39.3134, 24.0005,  
73.7952


■ 57.5561, 52.0326,  
78.2444


■ 36.4124, 20.1373,  
73.2024


■ 63.9830, 62.5952,  
79.9445


■ 34.0753, 17.3338,  
72.7844


■ 71.2276, 74.7208,  
81.9031


 32.2376, 15.4611,  
72.5198


 79.3215, 88.4722,  
84.1308

 30.8415, 14.3294,  
72.3750

 83.6630, 94.6449,  
85.0934

 85.4040, 95.5425,  
85.1749

 87.1956, 96.4660,  
85.2588

 89.0380, 97.4158,  
85.3450

# Harmonies

## Analogous

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



39.1311, 35.3238, 98.2885



47.0175, 35.3238, 75.5742



51.5142, 35.3238, 47.1417

# Triad

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



47.0175, 35.3238, 75.5742



36.4821, 35.3238, 9.0139



20.8473, 35.3238, 55.6357

# Complementary

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



47.0175, 35.3238, 75.5742



44.7470, 62.5411, 32.2691

# 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.



20.3735, 35.3238, 30.9183



47.0175, 35.3238, 75.5742



28.5700, 35.3238, 9.7470

# Square

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



47.0175, 35.3238, 75.5742



44.8099, 35.3238, 13.3631



22.9739, 35.3238, 16.0635



24.3937, 35.3238, 83.9150



# Rectangle

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



47.0175, 35.3238, 75.5742



51.5614, 35.3238, 31.4186



22.9739, 35.3238, 16.0635



20.3481, 35.3238, 46.4855

# Sweetspot

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



47.0187, 35.3253, 75.5750



83.5029, 80.6918, 105.7817



35.1837, 34.0266, 75.9481



17.6246, 16.8610, 22.5755



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.



47.0187, 35.3253, 75.5750



57.4553, 39.3941, 99.1833



50.0887, 37.2637, 59.6477



13.9696, 13.7679, 17.3089



17.8790, 8.3123, 41.7105



1.3155, 0.6155, 2.8947



# Inverse Universe

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



45.4939, 35.4257, 35.4519



55.4773, 39.7378, 37.4945



42.9525, 61.3974, 42.0568



13.8362, 13.7521, 14.9074



18.2865, 9.3816, 2.9088



1.3017, 0.6640, 0.3817



# Previews

## White Background



This preview shows how the XYZ color 47.0175, 35.3238, 75.5742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

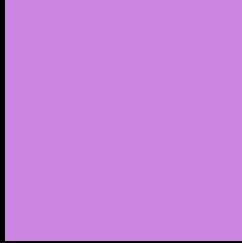
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0175, 35.3238, 75.5742 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 47.0175, 35.3238, 75.5742**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0175, 35.3238, 75.5742.



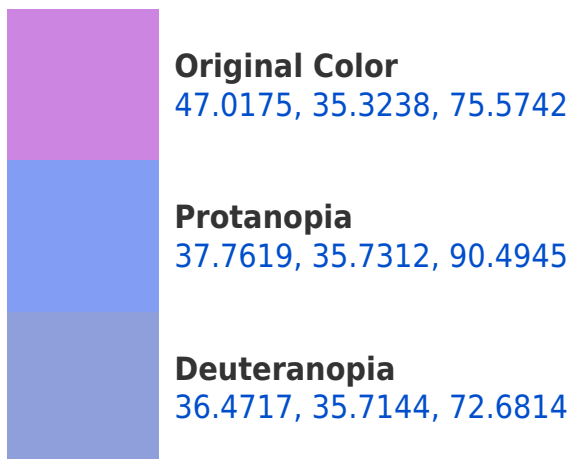
This preview shows how white text looks on a background with the XYZ color 47.0175, 35.3238,

75.5742.

# 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

39.4407, 35.3200, 37.9964

# Trichromacy



## Original Color

47.0175, 35.3238, 75.5742



## Protanomaly

39.9381, 34.7774, 84.7285



## Deuteranomaly

39.6082, 35.0860, 73.7919



## Tritanomaly

41.7629, 35.1114, 49.9234

# Monochromacy



## Original Color

47.0175, 35.3238, 75.5742



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

39.1156, 36.2828, 51.9554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0175, 35.3238, 75.5742 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(204, 134, 225)` looks like.

```
.text, #text, p{  
    color:rgb(204, 134, 225)  
}
```

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(204, 134, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 134, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0175, 35.3238, 75.5742 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(204, 134, 225) }
```



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

```
.border{ border-color:rgb(204, 134, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 134, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 134, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 134, 225);  
box-shadow:4px 4px 4px 4px rgb(204, 134,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0175, 35.3238, 75.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 134, 225) }
```

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

```
.background{ background-color: rgb(204,  
134, 225) }
```

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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