

# Converting Colors

XYZ(40.1385, 48.4596, 97.3967)

Have a look what the booklet for  
XYZ(40.1385, 48.4596, 97.3967)  
contains.

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# Color

**XYZ(40.1232, 48.3305,  
97.6565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4BC5FA
RGB	75, 197, 250
RGB Percent	29%, 77%, 98%
CMY	0.7058, 0.2274, 0.0196
CMYK	0.70, 0.21, 0.00, 0.02
HSL	198°, 95%, 64%
HSV	198°, 70%, 98%
XYZ	40.1232, 48.3305, 97.6565
YIQ	166.5640, -89.7250, -9.3810

# Conversions

## Conversions Part 2

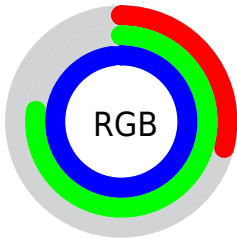
Format	Color
R <sub>Y</sub> B	75, 147, 250
Decimal	4965882
CIE Lab	75.03, -17.30, -35.92
CIE LCh	75, 39.873, 244.279
Yxy	48.3305, 0.2156, 0.2597
Android (android.graphics.Color)	4283155962 (0xFF4BC5FA)
YUV	166.5640, 41.1339, -80.3016
Hunter-Lab	69.5201, -18.6399, -34.6219

# Details

The XYZ color **40.1232, 48.3305, 97.6565** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.4155, 36.2731, 11.1082**, and the grayscale version is **36.3587, 38.2522, 41.6566**.

A 20% lighter version of the original color is **64.8195, 83.9433, 107.3941**, and **19.4481, 23.4952, 53.9621** is the 20% darker color. If you saturate the color by 10%, you get **36.8619, 44.1615, 97.0246**, and if you desaturate by 10%, it is **44.2419, 53.0714, 98.3555**.

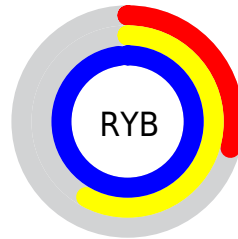
# Distribution



Red (29%)

Green (77%)

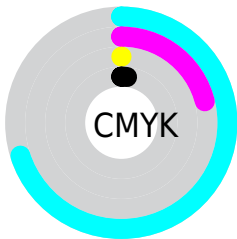
Blue (98%)



Red (29%)

Yellow (58%)

Blue (98%)

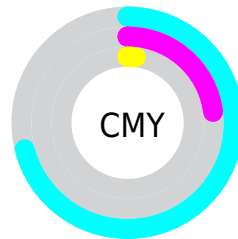


Cyan (70%)

Magenta (21%)

Yellow (0%)

Black (2%)



Cyan (71%)

Magenta (23%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1232, 48.3305, 97.6565 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 40.1232, 48.3305, 97.6565 by changing the saturation by 10% instead.



40.1232, 48.3305,  
97.6565

40.1232, 48.3305,  
97.6565

337.7681,  
380.1007, 573.8351

27.8193, 34.0887,  
73.7389

74.6342, 87.6963,  
159.9566

18.3292, 22.9617,  
54.0849

97.5720, 113.5890,  
199.1762

11.2877, 14.5653,  
38.2759

124.7851,  
144.1342, 244.3335

6.3294, 8.5148,  
25.8934

156.6389,  
179.7163, 295.8471

3.0890, 4.4261,  
16.5188

193.4988,  
220.7195, 354.1355

1.2010, 1.9147,  
9.7337

235.7300,

0.1071, 0.5572,

267.5284, 419.6173

5.1195

283.6980,  
320.5273, 492.7110

■ 0.0000, 0.0000,  
2.2576

■ 0.0000, 0.0000,  
0.7073

■ 40.1232, 48.3305,  
97.6565

■ 40.1232, 48.3305,  
97.6565

■ 36.8619, 44.1615,  
97.0246

■ 44.2419, 53.0714,  
98.3555

■ 34.3558, 40.5073,  
96.4514

■ 49.2946, 58.4230,  
99.1221

■ 32.4473, 37.2856,  
95.9301

■ 55.3544, 64.4256,  
99.9614

■ 32.4466, 37.2843,  
95.9299

■ 62.4855, 71.1141,  
100.8765

70.7465, 78.5202,  
101.8706

80.1915, 86.6738,  
102.9466

90.8710, 95.6023,  
104.1071

94.2555, 99.6822,  
104.7162

# Harmonies

## Analogous

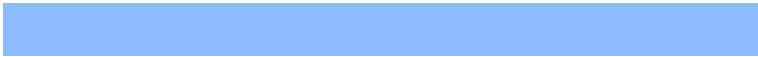
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.3096, 48.3305, 78.5985



40.1232, 48.3305, 97.6565



46.9895, 48.3305, 103.6056

# Triad

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



40.1232, 48.3305, 97.6565



61.3645, 48.3305, 49.6877



38.4922, 48.3305, 25.9537

# Complementary

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



40.1232, 48.3305, 97.6565



48.4155, 36.2731, 11.1082

# 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.



44.8998, 48.3305, 21.9058



40.1232, 48.3305, 97.6565



58.5070, 48.3305, 33.1130

# Square

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



40.1232, 48.3305, 97.6565



59.7433, 48.3305, 72.0190



52.2862, 48.3305, 24.1302



34.4401, 48.3305, 37.0665



# Rectangle

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



40.1232, 48.3305, 97.6565



51.9387, 48.3305, 98.3023



52.2862, 48.3305, 24.1302



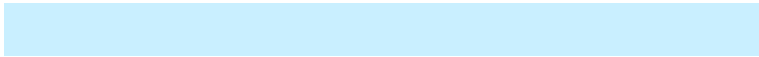
40.4158, 48.3305, 23.8774

# Sweetspot

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



40.1249, 48.3322, 97.6577



73.0611, 81.3051, 106.4505



40.9524, 71.4138, 31.8785



15.1083, 16.9325, 22.7220



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.



40.1249, 48.3322, 97.6577



37.3973, 44.5689, 101.2394



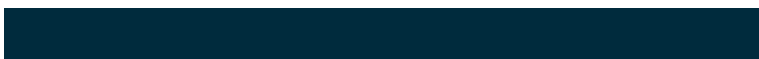
25.7349, 19.5523, 92.8610



17.2961, 18.6691, 22.0772



17.3430, 20.0417, 50.9279



1.6994, 2.0425, 4.7479



# Inverse Universe

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



52.0199, 29.3892, 55.7558



51.3341, 26.5553, 51.2076



64.9964, 69.4348, 16.6351



17.7560, 17.4298, 20.5709



25.0460, 12.4341, 22.7484

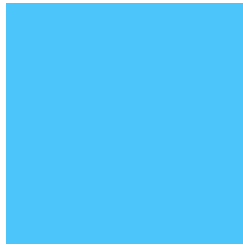


2.3667, 1.1704, 2.3545



# Previews

## White Background



This preview shows how the XYZ color 40.1232, 48.3305, 97.6565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

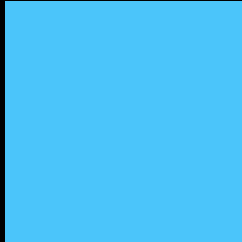
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1232, 48.3305, 97.6565 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

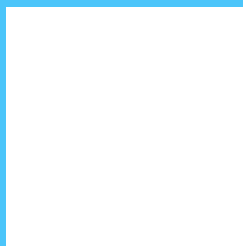
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.1232, 48.3305, 97.6565**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1232, 48.3305, 97.6565.



This preview shows how white text looks on a background with the XYZ color 40.1232, 48.3305,



# 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

40.1232, 48.3305, 97.6565

### Protanopia

48.1049, 47.5456, 87.5307

### Deuteranopia

49.1112, 47.7806, 100.4001



## Tritanopia

35.6634, 48.6106, 74.5210

# Trichromacy



**Original Color**

40.1232, 48.3305, 97.6565

**Protanomaly**

43.6289, 47.0198, 90.7806

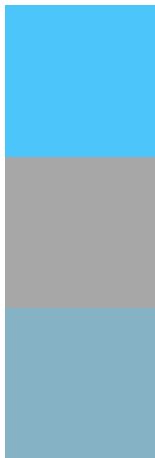
**Deuteranomaly**

44.7059, 47.3783, 99.7172

**Tritanomaly**

37.1562, 48.5106, 82.2681

# Monochromacy



**Original Color**

40.1232, 48.3305, 97.6565

**Achromatopsia**

36.7301, 38.6429, 42.0822

**Achromatomaly**

35.8300, 40.9403, 58.8372

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1232, 48.3305, 97.6565 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(75, 197, 250)` looks like.

```
.text, #text, p{  
  color:rgb(75, 197, 250)  
}
```

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(75, 197, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 197, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1232, 48.3305, 97.6565 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(75, 197, 250) }
```



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

```
.border{ border-color:rgb(75, 197, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 197, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 197, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 197, 250);  
box-shadow:4px 4px 4px 4px rgb(75, 197,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1232, 48.3305, 97.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 197, 250) }
```

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

```
.background{ background-color: rgb(75, 197,  
250) }
```

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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