

# Converting Colors

XYZ(40.6428, 43.4001,  
100.8427)

Have a look what the booklet for  
XYZ(40.6428, 43.4001, 100.8427)  
contains.

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# **Color**

**XYZ(40.6373, 43.3935,  
100.8417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BB5FF
RGB	107, 181, 255
RGB Percent	42%, 71%, 100%
CMY	0.5804, 0.2902, 0.0000
CMYK	0.58, 0.29, 0.00, 0.00
HSL	210°, 100%, 71%
HSV	210°, 58%, 100%
XYZ	40.6373, 43.3935, 100.8417
YIQ	167.3100, -67.8580, 7.3260

# Conversions

## Conversions Part 2

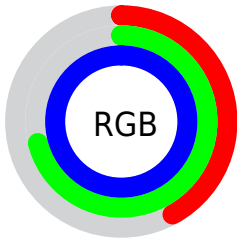
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">107, 156, 255</a>
Decimal	<a href="#">7058943</a>
CIELab	<a href="#">71.82, -1.87, -43.53</a>
CIELCh	<a href="#">72, 43.574, 267.546</a>
Yxy	<a href="#">43.3935, 0.2198, 0.2347</a>
Android (android.graphics.Color)	<a href="#">4285249023</a> ( <a href="#">0xFF6BB5FF</a> )
YUV	<a href="#">167.3100, 43.2312, -52.8919</a>
Hunter-Lab	<a href="#">65.8737, -5.1630, -44.6515</a>

# Details

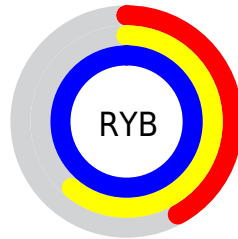
The XYZ color **40.6373, 43.3935, 100.8417** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.4193, 55.3718, 21.4155**, and the grayscale version is **36.7027, 38.6141, 42.0508**.

A 20% lighter version of the original color is **64.4826, 76.1132, 105.9005**, and **18.5719, 19.8556, 56.2798** is the 20% darker color. If you saturate the color by 10%, you get **35.5362, 37.0902, 99.8939**, and if you desaturate by 10%, it is **46.8821, 50.6401, 101.9113**.

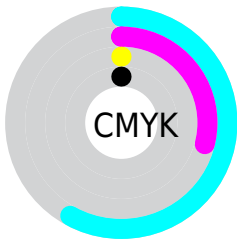
# Distribution



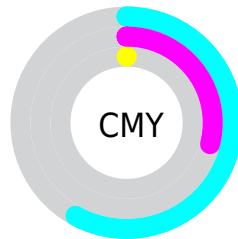
- Red (42%)
- Green (71%)
- Blue (100%)



- Red (42%)
- Yellow (61%)
- Blue (100%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6373, 43.3935, 100.8417 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 40.6373, 43.3935, 100.8417 by changing the saturation by 10% instead.



40.6373, 43.3935,  
100.8417

40.6373, 43.3935,  
100.8417

339.8910,  
360.2275, 584.1576

28.2222, 30.1940,  
76.3829

75.4112, 80.3043,  
164.3753

18.6345, 19.9859,  
56.2380

98.5007, 104.7844,  
204.2872

11.5089, 12.3848,  
39.9885

125.8790,  
133.7935, 250.1872

6.4801, 7.0063,  
27.2158

157.9116,  
167.7160, 302.4939

3.1825, 3.4660,  
17.5015

194.9637,  
206.9362, 361.6257

1.2510, 1.3796,  
10.4270

237.4007,

0.1461, 0.2016,

251.8386, 428.0012

5.5737

285.5880,  
302.8076, 502.0390

■ 0.0000, 0.0000,  
2.5231

■ 0.0000, 0.0000,  
0.8523

■ 40.6373, 43.3935,  
100.8417

■ 40.6373, 43.3935,  
100.8417

■ 35.5362, 37.0902,  
99.8939

■ 46.8821, 50.6401,  
101.9113

■ 31.4863, 31.6710,  
99.0613

■ 54.3447, 58.8750,  
103.1075

■ 28.3855, 27.0741,  
98.3375

■ 63.0971, 68.1449,  
104.4355

■ 26.0955, 23.2179,  
97.7139

■ 73.2044, 78.4917,  
105.8999

■ 25.7037, 22.5274,  
97.6012

■ 84.7267, 89.9545,  
107.5051

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.



34.0635, 43.3935, 90.7032



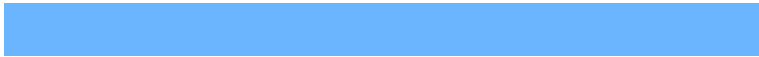
40.6373, 43.3935, 100.8417



48.1878, 43.3935, 93.4281

# Triad

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



40.6373, 43.3935, 100.8417



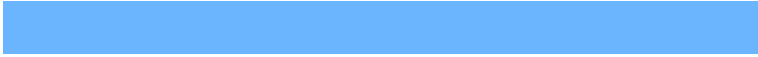
55.2054, 43.3935, 30.7833



30.3553, 43.3935, 28.5650

# Complementary

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



40.6373, 43.3935, 100.8417



60.4193, 55.3718, 21.4155

# 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.



35.0019, 43.3935, 19.5246



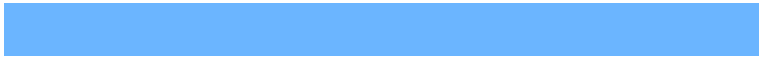
40.6373, 43.3935, 100.8417



49.3692, 43.3935, 20.5098

# Square

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



40.6373, 43.3935, 100.8417



57.1734, 43.3935, 49.0165



41.8572, 43.3935, 17.0889

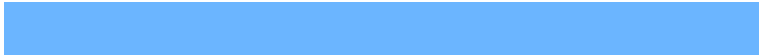


28.5881, 43.3935, 45.5228



# Rectangle

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



40.6373, 43.3935, 100.8417



52.6707, 43.3935, 80.4768



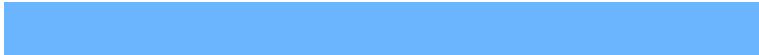
41.8572, 43.3935, 17.0889



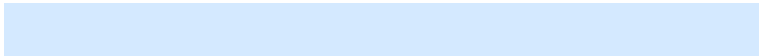
31.6028, 43.3935, 24.7164

# Sweetspot

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



40.6387, 43.3950, 100.8419



74.3314, 79.6268, 106.0596



50.1653, 77.9827, 56.1264



15.4452, 16.5746, 22.6351



0.0000, 0.0000, 0.0000

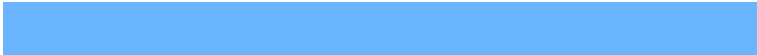


20.3446, 21.4041, 23.3091

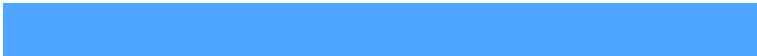


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6387, 43.3950, 100.8419



34.6608, 35.9579, 99.7215



29.3729, 20.8634, 97.0867



17.7534, 18.8784, 22.9581



13.5800, 12.0697, 51.0485



1.4314, 1.3936, 5.0068



# Inverse Universe

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



54.8393, 35.1134, 47.6045



50.7188, 29.2420, 38.9263



79.6543, 93.8417, 27.8272



18.3882, 18.1386, 20.6613



23.6428, 11.9464, 12.0352

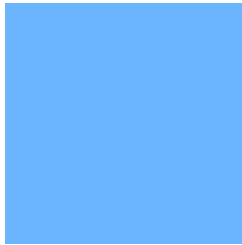


2.3571, 1.1852, 1.4621



# Previews

## White Background



This preview shows how the XYZ color 40.6373, 43.3935, 100.8417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

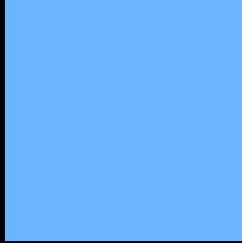
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6373, 43.3935, 100.8417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

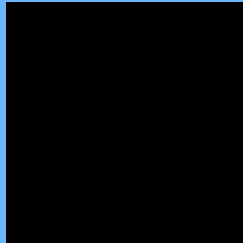
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

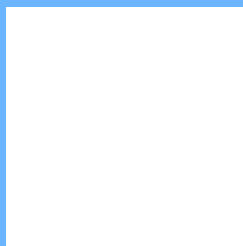
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.6373, 43.3935, 100.8417

## Background



This preview shows how black text looks on a background with the XYZ color 40.6373, 43.3935, 100.8417.



This preview shows how white text looks on a background with the XYZ color 40.6373, 43.3935,



# 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

40.6373, 43.3935, 100.8417

### Protanopia

44.4583, 42.8617, 94.7369

### Deuteranopia

44.3414, 43.2429, 100.6174



## Tritanopia

33.4845, 43.3094, 64.9872

# Trichromacy



## Original Color

40.6373, 43.3935, 100.8417

## Protanomaly

42.7342, 42.7759, 97.2710

## Deuteranomaly

42.8254, 43.3314, 100.7144

## Tritanomaly

35.8410, 43.3021, 76.9901

# Monochromacy



## Original Color

40.6373, 43.3935, 100.8417

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

36.7384, 39.6483, 59.7494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6373, 43.3935, 100.8417 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(107, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 181, 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(107, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 181, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6373, 43.3935, 100.8417 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(107, 181, 255) }
```



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

```
.border{ border-color:rgb(107, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 181,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6373, 43.3935, 100.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 181, 255) }
```

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

```
.background{ background-color: rgb(107,  
181, 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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