

# Converting Colors

XYZ(40.3598, 47.3554,  
101.6211)

Have a look what the booklet for  
XYZ(40.3598, 47.3554, 101.6211)  
contains.

<b>XYZ(40.4024, 47.3814, 101.6238)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.4024, 47.3814,  
101.6238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DC2FF
RGB	77, 194, 255
RGB Percent	30%, 76%, 100%
CMY	0.6980, 0.2392, 0.0000
CMYK	0.70, 0.24, 0.00, 0.00
HSL	201°, 100%, 65%
HSV	201°, 70%, 100%
XYZ	40.4024, 47.3814, 101.6238
YIQ	165.9710, -89.3130, -5.8330

# Conversions

## Conversions Part 2

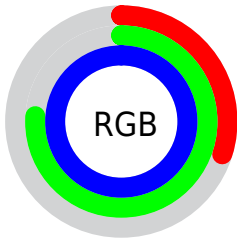
Format	Color
<a href="#">RYB</a>	<a href="#">77, 148, 255</a>
Decimal	<a href="#">5096191</a>
CIELab	<a href="#">74.43, -13.85, -39.53</a>
CIELCh	<a href="#">74, 41.890, 250.692</a>
Yxy	<a href="#">47.3814, 0.2133, 0.2502</a>
Android (android.graphics.Color)	<a href="#">4283286271 (0xFF4DC2FF)</a>
YUV	<a href="#">165.9710, 43.8913, -78.0276</a>
Hunter-Lab	<a href="#">68.8341, -15.6887, -39.3493</a>

# Details

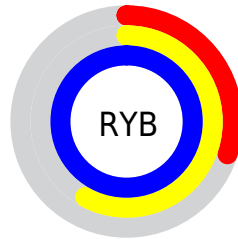
The XYZ color **40.4024, 47.3814, 101.6238** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **51.6698, 39.9757, 12.0162**, and the grayscale version is **36.0593, 37.9372, 41.3136**.

A 20% lighter version of the original color is **63.7372, 81.5205, 106.9835**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.8453, 42.7455, 100.9165**, and if you desaturate by 10%, it is **44.8826, 52.6647, 102.4075**.

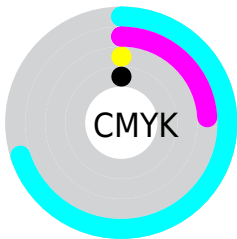
# Distribution



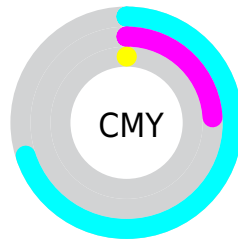
- Red (30%)
- Green (76%)
- Blue (100%)



- Red (30%)
- Yellow (58%)
- Blue (100%)



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4024, 47.3814, 101.6238 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 40.4024, 47.3814, 101.6238 by changing the saturation by 10% instead.



40.4024, 47.3814,  
101.6238

40.4024, 47.3814,  
101.6238

338.9221,  
376.3349, 586.6774

28.0380, 33.3373,  
77.0329

75.0563, 86.2827,  
165.4582

18.4949, 22.3849,  
56.7682

98.0766, 111.9086,  
205.5387

11.4077, 14.1400,  
40.4110

125.3796,  
142.1639, 251.6196

6.4111, 8.2181,  
27.5429

157.3306,  
177.4329, 304.1193

3.1396, 4.2348,  
17.7454

194.2950,  
218.1002, 363.4564

1.2280, 1.8058,  
10.5998

236.6381,

0.1283, 0.4908,

264.5500, 430.0494

5.6876

284.7254,  
317.1667, 504.3169

■ 0.0000, 0.0000,  
2.5904

■ 0.0000, 0.0000,  
0.8875

■ 40.4024, 47.3814,  
101.6238

■ 40.4024, 47.3814,  
101.6238

■ 36.8453, 42.7455,  
100.9165

■ 44.8826, 52.6647,  
102.4075

■ 34.1047, 38.6966,  
100.2794

■ 50.3677, 58.6378,  
103.2713

■ 32.0195, 35.1495,  
99.7047

■ 56.9346, 65.3439,  
104.2196

■ 31.9808, 35.0815,  
99.6936

■ 64.6510, 72.8208,  
105.2561

■ 73.5789, 81.1029,  
106.3841

■ 83.7757, 90.2224,  
107.6069

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.



34.8985, 47.3814, 83.7269



40.4024, 47.3814, 101.6238



47.7822, 47.3814, 104.1860

# Triad

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



40.4024, 47.3814, 101.6238



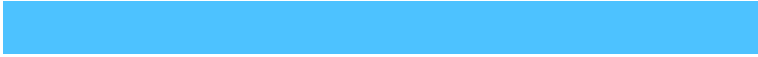
60.8612, 47.3814, 44.2542



36.2162, 47.3814, 26.0485

# Complementary

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



40.4024, 47.3814, 101.6238



51.6698, 39.9757, 12.0162

# 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.



42.3944, 47.3814, 20.5684



40.4024, 47.3814, 101.6238



56.9648, 47.3814, 28.9513

# Square

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



40.4024, 47.3814, 101.6238



60.1736, 47.3814, 66.5969



50.0080, 47.3814, 21.4569



32.6750, 47.3814, 39.0265



# Rectangle

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



40.4024, 47.3814, 101.6238



52.8593, 47.3814, 96.2445



50.0080, 47.3814, 21.4569



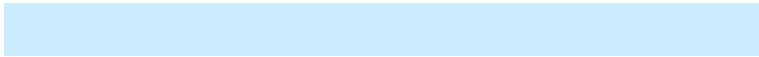
38.0229, 47.3814, 23.4581

# Sweetspot

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



40.4039, 47.3830, 101.6241



72.4410, 80.0648, 106.2437



43.2898, 74.8856, 35.5927



14.9600, 16.6359, 22.6725



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.



40.4039, 47.3830, 101.6241



35.6011, 40.9765, 100.6406



26.3356, 19.2464, 96.9346



18.0000, 19.3716, 23.0403



16.8550, 18.6196, 52.1402



1.7428, 2.0163, 5.1106



# Inverse Universe

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



53.6326, 30.4646, 54.0939



50.4275, 26.1927, 46.4334



69.5959, 75.8279, 17.9915



18.5126, 18.1884, 21.3167



25.2958, 12.6076, 20.7402



2.5143, 1.2481, 2.2897



# Previews

## White Background



This preview shows how the XYZ color 40.4024, 47.3814, 101.6238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

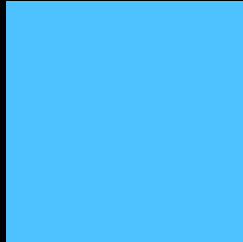
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.4024, 47.3814, 101.6238 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

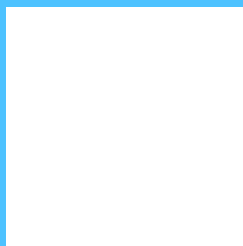
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.4024, 47.3814, 101.6238

## Background



This preview shows how black text looks on a background with the XYZ color 40.4024, 47.3814, 101.6238.



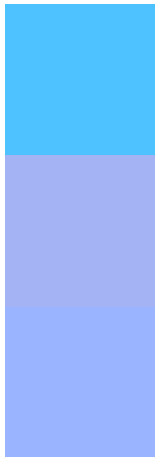
This preview shows how white text looks on a background with the XYZ color 40.4024, 47.3814,



# 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

40.4024, 47.3814, 101.6238

### Protanopia

47.7591, 46.6644, 92.0779

### Deuteranopia

47.8888, 46.8311, 101.1230



## Tritanopia

34.7763, 47.4868, 72.9786

# Trichromacy



## Original Color

40.4024, 47.3814, 101.6238

## Protanomaly

43.5995, 45.9638, 95.3809

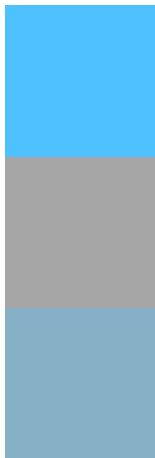
## Deuteranomaly

44.1514, 46.4299, 101.2426

## Tritanomaly

36.4814, 47.1183, 82.7733

# Monochromacy



## Original Color

40.4024, 47.3814, 101.6238

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.5499, 40.1962, 59.3110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4024, 47.3814, 101.6238 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(77, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 194, 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(77, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 194, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4024, 47.3814, 101.6238 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(77, 194, 255) }
```



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

```
.border{ border-color:rgb(77, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 194,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4024, 47.3814, 101.6238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 194, 255) }
```

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

```
.background{ background-color: rgb(77, 194,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor