

Converting Colors

XYZ(40.3186, 47.2735,
101.6074)

Have a look what the booklet for
XYZ(40.3186, 47.2735, 101.6074)
contains.

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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

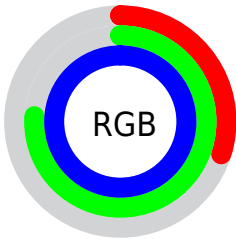
Format	Color
RYB	77, 148, 255
Decimal	5096191
CIELab	74.43, -13.85, -39.53
CIELCh	74, 41.890, 250.692
Yxy	47.3814, 0.2133, 0.2502
Android (android.graphics.Color)	4283286271 (0xFF4DC2FF)
YUV	165.9710, 43.8913, -78.0276
Hunter-Lab	68.8341, -15.6887, -39.3493

Details

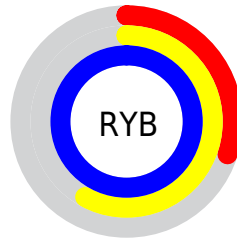
The XYZ color **40.4024, 47.3814, 101.6238** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **51.6698, 39.9757, 12.0162**, and the grayscale version is **36.0593, 37.9372, 41.3136**.

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**.

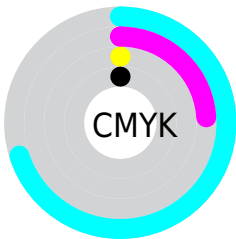
Distribution



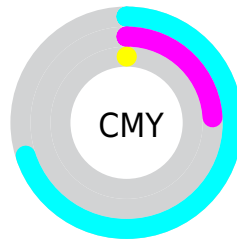
- Red (30%)
- Green (76%)
- Blue (100%)



- 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



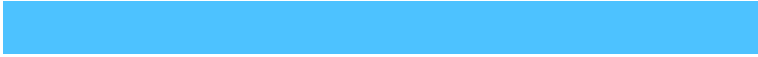
60.8612, 47.3814, 44.2542



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



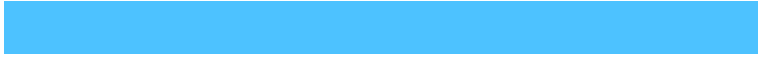
40.4024, 47.3814, 101.6238



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



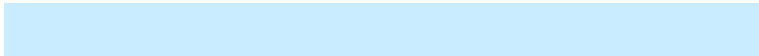
38.0229, 47.3814, 23.4581

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

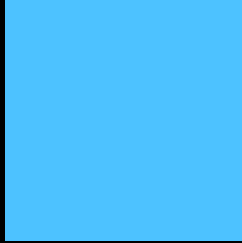
Large Text (above 18pt) WCAG AA × Fail

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

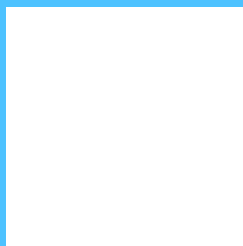
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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

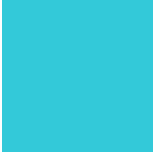
40.4024, 47.3814, 101.6238

Protanopia

47.7591, 46.6644, 92.0779

Deuteranopia

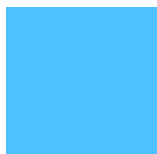
47.8888, 46.8311, 101.1230



Tritanopia

34.7763, 47.4868, 72.9786

Trichromacy



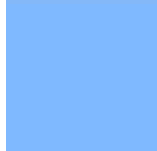
Original Color

40.4024, 47.3814, 101.6238



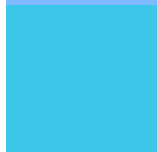
Protanomaly

43.5995, 45.9638, 95.3809



Deuteranomaly

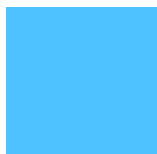
44.1514, 46.4299, 101.2426



Tritanomaly

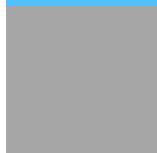
36.4814, 47.1183, 82.7733

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](#).

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