

Converting Colors

XYZ(40.2141, 47.6470,
101.6850)

Have a look what the booklet for
XYZ(40.2141, 47.6470, 101.6850)
contains.

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Color

**XYZ(40.1636, 47.5898,
101.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	47C3FF
RGB	71, 195, 255
RGB Percent	28%, 76%, 100%
CMY	0.7215, 0.2353, 0.0000
CMYK	0.72, 0.24, 0.00, 0.00
HSL	200°, 100%, 64%
HSV	200°, 72%, 100%
XYZ	40.1636, 47.5898, 101.6766
YIQ	164.7640, -93.1640, -7.6280

Conversions

Conversions Part 2

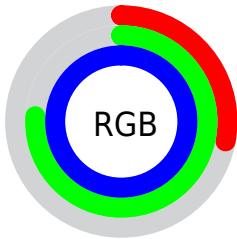
Format	Color
R _{YB}	71, 145, 255
Decimal	4703231
CIE Lab	74.57, -15.16, -39.34
CIE LCh	75, 42.161, 248.920
Yxy	47.5898, 0.2120, 0.2512
Android (android.graphics.Color)	4282893311 (0xFF47C3FF)
YUV	164.7640, 44.4863, -82.2310
Hunter-Lab	68.9854, -16.8008, -39.0970

Details

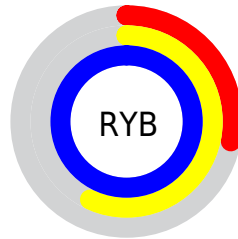
The XYZ color **40.1636, 47.5898, 101.6766** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **50.4953, 37.9503, 10.6270**, and the grayscale version is **35.4792, 37.3268, 40.6489**.

A 20% lighter version of the original color is **63.6756, 82.4163, 107.1596**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **36.8589, 43.1976, 101.0030**, and if you desaturate by 10%, it is **44.3590, 52.5969, 102.4220**.

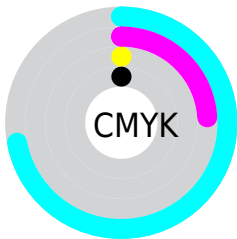
Distribution



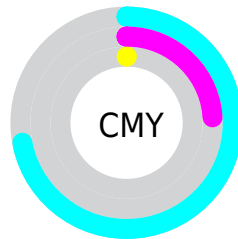
- Red (28%)
- Green (76%)
- Blue (100%)



- Red (28%)
- Yellow (57%)
- Blue (100%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1636, 47.5898, 101.6766 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 40.1636, 47.5898, 101.6766 by changing the saturation by 10% instead.

40.1636, 47.5898,
101.6766

40.1636, 47.5898,
101.6766

337.9352,
377.1639, 586.8473

27.8509, 33.5022,
77.0768

74.6953, 86.5933,
165.5312

18.3532, 22.5114,
56.8040

97.6451, 112.2780,
205.6232

11.3051, 14.2332,
40.4396

124.8712,
142.5972, 251.7162

6.3412, 8.2830,
27.5650

156.7391,
177.9352, 304.2289

3.0963, 4.2766,
17.7619

193.6141,
218.6765, 363.5799

1.2049, 1.8294,
10.6115

235.8615,

0.1102, 0.5054,

265.2055, 430.1875

5.6954

283.8468,
317.9064, 504.4705

■ 0.0000, 0.0000,
2.5950

■ 0.0000, 0.0000,
0.8899

■ 40.1636, 47.5898,
101.6766

■ 40.1636, 47.5898,
101.6766

■ 36.8589, 43.1976,
101.0030

■ 44.3590, 52.5969,
102.4220

■ 34.3332, 39.3577,
100.3950

■ 49.5297, 58.2623,
103.2430

■ 32.7732, 36.6664,
99.9577

■ 55.7544, 64.6300,
104.1440

■ 63.1024, 71.7379,
105.1287

■ 71.6366, 79.6207,
106.2004

■ 81.4149, 88.3106,
107.3624

■ 92.4915, 97.8375,
108.6174

■ 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.



34.7615, 47.5898, 82.9118



40.1636, 47.5898, 101.6766



47.5434, 47.5898, 105.3261

Triad

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



40.1636, 47.5898, 101.6766



61.3108, 47.5898, 45.5777



36.6360, 47.5898, 25.5411

Complementary

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



40.1636, 47.5898, 101.6766



50.4953, 37.9503, 10.6270

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.



42.9980, 47.5898, 20.4291



40.1636, 47.5898, 101.6766



57.6201, 47.5898, 29.6683

Square

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



40.1636, 47.5898, 101.6766



60.3320, 47.5898, 68.4270



50.7113, 47.5898, 21.6915



32.8895, 47.5898, 38.1395

Rectangle

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



40.1636, 47.5898, 101.6766



52.6966, 47.5898, 97.9223



50.7113, 47.5898, 21.6915



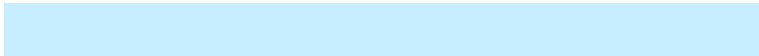
38.5091, 47.5898, 23.0772

Sweetspot

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



40.1651, 47.5914, 101.6769



71.7758, 79.7467, 106.2174



42.3402, 74.4524, 33.0040



14.8407, 16.5941, 22.6707



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.



40.1651, 47.5914, 101.6769



35.5446, 41.2710, 100.7004



25.6749, 18.6110, 96.8468



18.0263, 19.4243, 23.0491



17.2665, 19.4427, 52.2774



1.7808, 2.0923, 5.1233

Inverse Universe

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



53.3446, 29.7083, 54.5539



50.2995, 25.7606, 46.9334



68.3052, 73.5701, 16.5637



18.5259, 18.1937, 21.3867



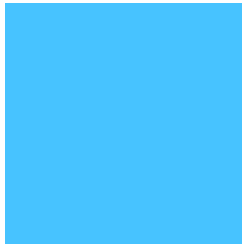
25.5036, 12.6907, 21.8340



2.5335, 1.2558, 2.3906

Previews

White Background



This preview shows how the XYZ color 40.1636, 47.5898, 101.6766 looks on a white background.

Color Contrast Check

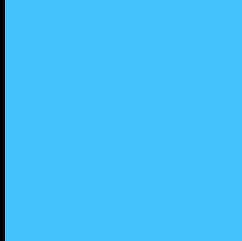
Large Text (above 18pt) WCAG AA × Fail

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 40.1636, 47.5898, 101.6766 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

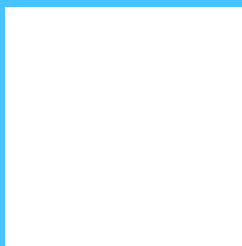
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1636, 47.5898, 101.6766

Background



This preview shows how black text looks on a background with the XYZ color 40.1636, 47.5898, 101.6766.



This preview shows how white text looks on a background with the XYZ color 40.1636, 47.5898,

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

40.1636, 47.5898, 101.6766

Protanopia

47.8088, 47.0061, 91.3473

Deuteranopia

48.0816, 46.9304, 101.1321



Tritanopia

34.6899, 47.7744, 73.7227

Trichromacy



Original Color

40.1636, 47.5898, 101.6766

Protanomaly

43.3434, 46.1592, 94.6209

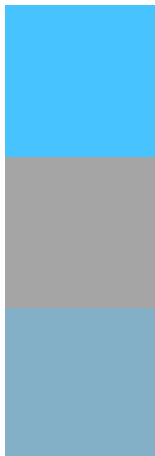
Deuteranomaly

43.8564, 46.2779, 101.2288

Tritanomaly

36.2634, 47.3464, 82.8288

Monochromacy



Original Color

40.1636, 47.5898, 101.6766

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0784, 39.9532, 59.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1636, 47.5898, 101.6766 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(71, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 195, 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(71, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1636, 47.5898, 101.6766 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(71, 195, 255) }
```


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

```
.border{ border-color:rgb(71, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1636, 47.5898, 101.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 195, 255) }
```

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

```
.background{ background-color: rgb(71, 195,  
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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