

Converting Colors

XYZ(40.1116, 47.8140, 90.3340)

Have a look what the booklet for
XYZ(40.1116, 47.8140, 90.3340)
contains.

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Color

**XYZ(40.1116, 47.8140,
90.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	5FC3F1
RGB	95, 195, 241
RGB Percent	37%, 76%, 95%
CMY	0.6274, 0.2353, 0.0549
CMYK	0.61, 0.19, 0.00, 0.05
HSL	199°, 84%, 66%
HSV	199°, 61%, 95%
XYZ	40.1116, 47.8140, 90.3340
YIQ	170.3440, -74.3660, -6.8940

Conversions

Conversions Part 2

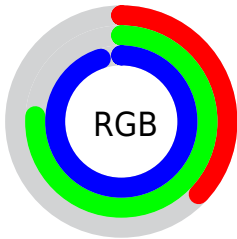
Format	Color
R _Y B	95, 154, 241
Decimal	6276081
CIE Lab	74.71, -15.94, -31.54
CIE LCh	75, 35.335, 243.189
Yxy	47.8140, 0.2250, 0.2682
Android (android.graphics.Color)	4284466161 (0xFF5FC3F1)
YUV	170.3440, 34.8334, -66.0767
Hunter-Lab	69.1477, -17.4631, -29.0526

Details

The XYZ color **40.1116, 47.8140, 90.3340** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **47.8677, 38.5788, 15.7518**, and the grayscale version is **38.2399, 40.2314, 43.8120**.

A 20% lighter version of the original color is **66.7650, 84.0089, 107.3042**, and **18.2944, 22.5590, 49.2890** is the 20% darker color. If you saturate the color by 10%, you get **36.3265, 43.4017, 89.6828**, and if you desaturate by 10%, it is **44.7606, 52.8018, 91.0526**.

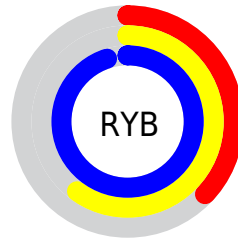
Distribution



Red (37%)

Green (76%)

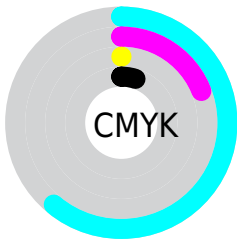
Blue (95%)



Red (37%)

Yellow (60%)

Blue (95%)

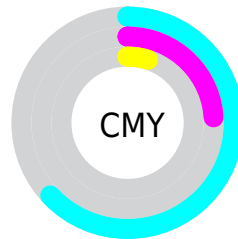


Cyan (61%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (63%)

Magenta (24%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1116, 47.8140, 90.3340 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 40.1116, 47.8140, 90.3340 by changing the saturation by 10% instead.

40.1116, 47.8140,
90.3340

40.1116, 47.8140,
90.3340

337.7201,
378.0544, 549.7149

27.8102, 33.6796,
67.6824

74.6167, 86.9274,
149.7418

18.3223, 22.6476,
49.1743

97.5510, 112.6752,
187.3351

11.2827, 14.3335,
34.3912

124.7604,
143.0630, 230.7461

6.3260, 8.3530,
22.9145

156.6102,
178.4750, 280.3933

3.0869, 4.3216,
14.3257

193.4657,
219.2958, 336.6952

1.1999, 1.8551,
8.2062

235.6922,

0.1063, 0.5211,

265.9097, 400.0704

4.1375

283.6553,
318.7011, 470.9375

■ 0.0000, 0.0000,
1.7011

■ 0.0000, 0.0000,
0.3615

■ 40.1116, 47.8140,
90.3340

■ 40.1116, 47.8140,
90.3340

■ 36.3265, 43.4017,
89.6828

■ 44.7606, 52.8018,
91.0526

■ 33.3250, 39.5191,
89.0915

■ 50.3344, 58.3959,
91.8386

■ 31.0191, 36.1197,
88.5569

■ 56.8939, 64.6301,
92.6962

■ 29.3449, 33.2860,
88.0982

■ 64.4929, 71.5341,
93.6283

73.1813, 79.1354,
94.6376

83.0056, 87.4595,
95.7265

90.7326, 94.8414,
96.7441

92.8774, 99.1309,
97.4590

Harmonies

Analogous

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



35.8944, 47.8140, 73.8659



40.1116, 47.8140, 90.3340



46.1347, 47.8140, 95.8410

Triad

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



40.1116, 47.8140, 90.3340



58.8919, 47.8140, 50.1227



39.0290, 47.8140, 27.7616

Complementary

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



40.1116, 47.8140, 90.3340



47.8677, 38.5788, 15.7518

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.



44.7637, 47.8140, 24.1784



40.1116, 47.8140, 90.3340



56.5569, 47.8140, 35.0350

Square

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



40.1116, 47.8140, 90.3340



57.3537, 47.8140, 69.6552



51.2330, 47.8140, 26.4906



35.3119, 47.8140, 37.7116

Rectangle

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



40.1116, 47.8140, 90.3340



50.4723, 47.8140, 91.7019



51.2330, 47.8140, 26.4906



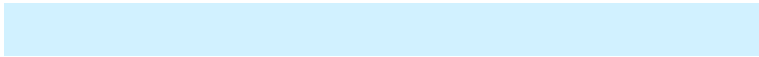
40.7645, 47.8140, 25.8944

Sweetspot

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



40.1132, 47.8157, 90.3352



75.6916, 83.4275, 106.7215



40.8217, 67.2030, 35.1716



15.6150, 17.3368, 22.7733



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.



40.1132, 47.8157, 90.3352



40.3125, 48.1175, 101.7707



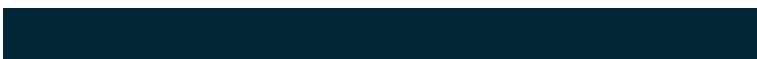
27.8310, 23.2513, 86.2411



15.8029, 17.0399, 20.1777



16.0392, 18.3026, 47.8153



1.4230, 1.7000, 4.0074

Inverse Universe

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



50.2196, 30.8270, 54.9348



53.3626, 29.4993, 55.3148



61.8360, 66.5156, 20.4080



16.2300, 15.9417, 18.7672



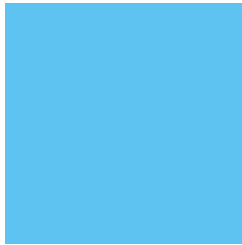
23.4214, 11.6410, 20.6677



1.9932, 0.9863, 1.9552

Previews

White Background



This preview shows how the XYZ color 40.1116, 47.8140, 90.3340 looks on a white background.

Color Contrast Check

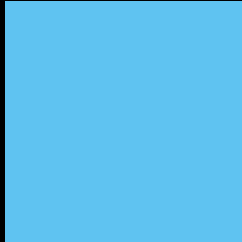
Large Text (above 18pt) WCAG AA × Fail

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 40.1116, 47.8140, 90.3340 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

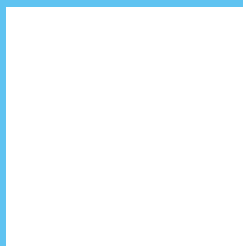
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1116, 47.8140, 90.3340

Background



This preview shows how black text looks on a background with the XYZ color 40.1116, 47.8140, 90.3340.



This preview shows how white text looks on a background with the XYZ color 40.1116, 47.8140,

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

40.1116, 47.8140, 90.3340

Protanopia

47.5252, 47.3633, 82.2385

Deuteranopia

48.3763, 47.2812, 92.1644



Tritanopia

36.4743, 47.6895, 72.2484

Trichromacy



Original Color

40.1116, 47.8140, 90.3340

Protanomaly

43.8820, 46.9556, 85.3478

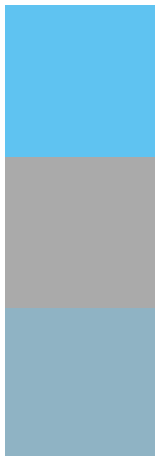
Deuteranomaly

44.3418, 46.7444, 91.4795

Tritanomaly

37.8092, 47.8991, 78.4869

Monochromacy



Original Color

40.1116, 47.8140, 90.3340

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.4116, 42.0654, 58.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1116, 47.8140, 90.3340 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(95, 195, 241)` looks like.

```
.text, #text, p{  
    color:rgb(95, 195, 241)  
}
```

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(95, 195, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 195, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.1116, 47.8140, 90.3340 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(95, 195, 241) }
```


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

```
.border{ border-color:rgb(95, 195, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 195, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 195, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 195, 241);  
box-shadow:4px 4px 4px 4px rgb(95, 195,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1116, 47.8140, 90.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 195, 241) }
```

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

```
.background{ background-color: rgb(95, 195,  
241) }
```

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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