

Converting Colors

XYZ(40.6741, 51.4998,
102.4044)

Have a look what the booklet for
XYZ(40.6741, 51.4998, 102.4044)
contains.

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Color

**XYZ(40.7810, 51.7027,
102.4380)**

Conversions

Conversions Part 1

Format	Color
Hex	22CEFF
RGB	34, 206, 255
RGB Percent	13%, 81%, 100%
CMY	0.8666, 0.1921, 0.0000
CMYK	0.87, 0.19, 0.00, 0.00
HSL	193°, 100%, 57%
HSV	193°, 87%, 100%
XYZ	40.7810, 51.7027, 102.4380
YIQ	160.1580, -118.2410, -21.2250

Conversions

Conversions Part 2

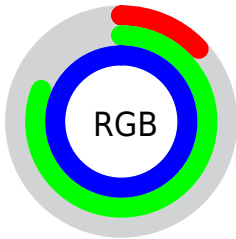
Format	Color
R _Y B	34, 131, 255
Decimal	2281215
CIE Lab	77.10, -24.19, -35.45
CIE LCh	77, 42.917, 235.695
Yxy	51.7027, 0.2092, 0.2652
Android (android.graphics.Color)	4280471295 (0xFF22CEFF)
YUV	160.1580, 46.7571, -110.6406
Hunter-Lab	71.9046, -24.5960, -34.1336

Details

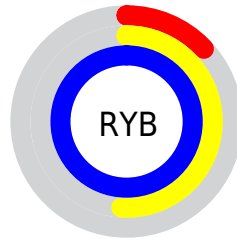
The XYZ color **40.7810, 51.7027, 102.4380** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.6244, 27.5662, 4.4844**, and the grayscale version is **33.3212, 35.0565, 38.1765**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **38.8918, 48.7451, 101.9667**, and if you desaturate by 10%, it is **43.3429, 55.0816, 102.9551**.

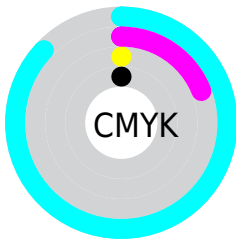
Distribution



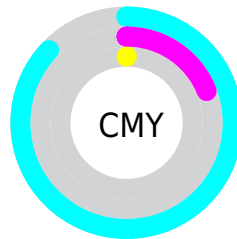
- Red (13%)
- Green (81%)
- Blue (100%)



- Red (13%)
- Yellow (51%)
- Blue (100%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7810, 51.7027, 102.4380 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 40.7810, 51.7027, 102.4380 by changing the saturation by 10% instead.

40.7810, 51.7027,
102.4380

40.7810, 51.7027,
102.4380

340.4827,
393.2878, 589.2945

28.3349, 36.7682,
77.7100

75.6281, 92.6926,
166.5846

18.7200, 25.0280,
57.3207

98.7599, 119.5168,
206.8402

11.5710, 16.0979,
40.8517

126.1843,
151.0730, 253.1087

6.5224, 9.5935,
27.8844

158.2666,
187.7456, 305.8087

3.2089, 5.1303,
18.0003

195.3723,
229.9190, 365.3588

1.2652, 2.3239,
10.7807

237.8666,

0.1569, 0.7863,

277.9775, 432.1774

5.8073

286.1150,
332.3057, 506.6831

■ 0.0000, 0.0000,
2.6614

■ 0.0000, 0.0000,
0.9239

■ 40.7810, 51.7027,
102.4380

■ 40.7810, 51.7027,
102.4380

■ 38.8918, 48.7451,
101.9667

■ 43.3429, 55.0816,
102.9551

■ 38.3487, 47.8175,
101.8162

■ 46.6921, 58.9389,
103.5232

■ 50.9248, 63.3259,
104.1468

■ 56.1222, 68.2851,
104.8301

■ 62.3556, 73.8539,
105.5765

■ 69.6895, 80.0664,
106.3891

■ 78.1830, 86.9536,
107.2708

■ 87.8908, 94.5446,
108.2243

■ 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.



36.2600, 51.7027, 78.2303



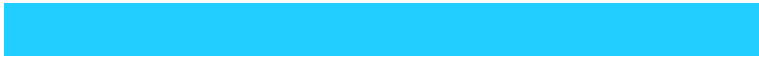
40.7810, 51.7027, 102.4380



47.9679, 51.7027, 114.3917

Triad

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



40.7810, 51.7027, 102.4380



66.5997, 51.7027, 59.7531



42.6180, 51.7027, 24.6229

Complementary

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



40.7810, 51.7027, 102.4380



44.6244, 27.5662, 4.4844

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.



50.3348, 51.7027, 22.2071



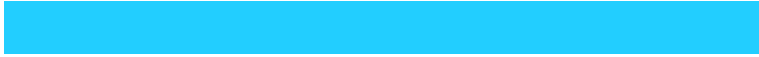
40.7810, 51.7027, 102.4380



64.7620, 51.7027, 38.8996

Square

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



40.7810, 51.7027, 102.4380



63.3499, 51.7027, 85.7704



58.5738, 51.7027, 26.6278



37.2349, 51.7027, 34.4895

Rectangle

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



40.7810, 51.7027, 102.4380



53.5315, 51.7027, 111.9132



58.5738, 51.7027, 26.6278



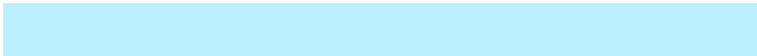
44.9990, 51.7027, 23.0547

Sweetspot

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



40.7826, 51.7044, 102.4382



70.2101, 80.4968, 106.4447



37.9400, 72.4683, 19.9520



14.4510, 16.7497, 22.7213



0.0000, 0.0000, 0.0000



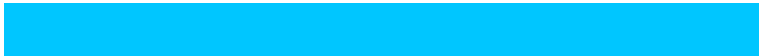
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7826, 51.7044, 102.4382



38.3487, 47.8175, 101.8162



22.9519, 16.0431, 96.4947



18.1931, 19.7578, 23.1047



20.1541, 25.2178, 53.2399



2.0425, 2.6157, 5.2105

Inverse Universe

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



52.9537, 26.8621, 60.7881



51.4859, 25.3583, 55.8840



60.4649, 59.2471, 9.7645



18.6101, 18.2274, 21.8300



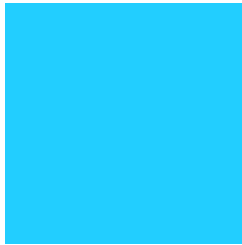
26.9611, 13.2737, 29.5091



2.6656, 1.3086, 3.0863

Previews

White Background



This preview shows how the XYZ color 40.7810, 51.7027, 102.4380 looks on a white background.

Color Contrast Check

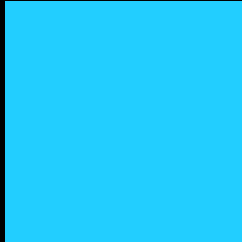
Large Text (above 18pt) WCAG AA × Fail

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 40.7810, 51.7027, 102.4380 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 40.7810, 51.7027, 102.4380

Background



This preview shows how black text looks on a background with the XYZ color 40.7810, 51.7027, 102.4380.

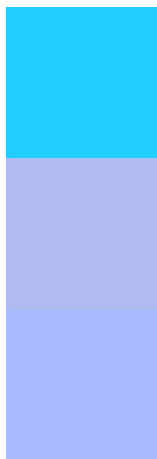


This preview shows how white text looks on a background with the XYZ color 40.7810, 51.7027,

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

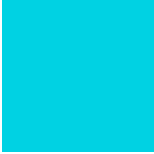
40.7810, 51.7027, 102.4380

Protanopia

51.3267, 51.0055, 90.3589

Deuteranopia

51.9688, 51.0855, 101.7292



Tritanopia

36.9117, 51.6392, 80.6950

Trichromacy



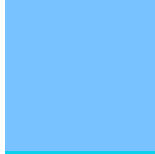
Original Color

40.7810, 51.7027, 102.4380



Protanomaly

44.2385, 49.5225, 94.4160



Deuteranomaly

44.9495, 49.7255, 101.8366



Tritanomaly

38.2381, 51.7935, 88.1026

Monochromacy



Original Color

40.7810, 51.7027, 102.4380



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.5119, 38.9618, 57.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7810, 51.7027, 102.4380 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(34, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 206, 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(34, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7810, 51.7027, 102.4380 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(34, 206, 255) }
```


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

```
.border{ border-color:rgb(34, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7810, 51.7027, 102.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 206, 255) }
```

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

```
.background{ background-color: rgb(34, 206,  
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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