

Converting Colors

XYZ(40.8744, 52.4702,
102.5812)

Have a look what the booklet for
XYZ(40.8744, 52.4702, 102.5812)
contains.

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Color

**XYZ(40.8744, 52.4702,
102.5812)**

Conversions

Conversions Part 1

Format	Color
Hex	13D0FF
RGB	19, 208, 255
RGB Percent	7%, 82%, 100%
CMY	0.9253, 0.1843, 0.0000
CMYK	0.93, 0.18, 0.00, 0.00
HSL	192°, 100%, 54%
HSV	192°, 93%, 100%
XYZ	40.8744, 52.4702, 102.5812
YIQ	156.8470, -127.7310, -25.4510

Conversions

Conversions Part 2

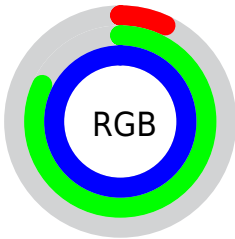
Format	Color
R _Y B	19, 124, 255
Decimal	1298687
CIE Lab	77.56, -25.88, -34.75
CIE LCh	78, 43.328, 233.329
Yxy	52.4702, 0.2086, 0.2678
Android (android.graphics.Color)	4279488767 (0xFF13D0FF)
YUV	156.8470, 48.3894, -120.8918
Hunter-Lab	72.4363, -26.0395, -33.2585

Details

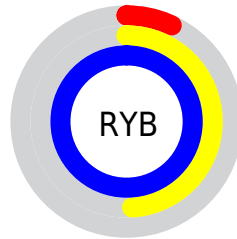
The XYZ color **40.8744, 52.4702, 102.5812** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.3087, 25.2087, 3.2013**, and the grayscale version is **31.8165, 33.4734, 36.4526**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **39.6926, 50.5051, 102.2642**, and if you desaturate by 10%, it is **42.9271, 55.3973, 103.0380**.

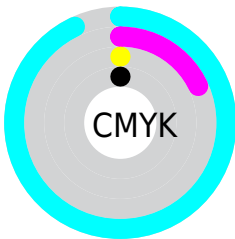
Distribution



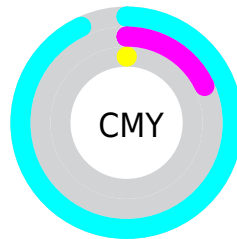
- Red (7%)
- Green (82%)
- Blue (100%)



- Red (7%)
- Yellow (49%)
- Blue (100%)



- Cyan (93%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8744, 52.4702, 102.5812 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 40.8744, 52.4702, 102.5812 by changing the saturation by 10% instead.

40.8744, 52.4702,
102.5812

40.8744, 52.4702,
102.5812

340.8670,
396.2492, 589.7541

28.4082, 37.3800,
77.8291

75.7691, 93.8243,
166.7826

18.7756, 25.5018,
57.4180

98.9283, 120.8570,
207.0689

11.6113, 16.4513,
40.9293

126.3826,
152.6393, 253.3704

6.5499, 9.8441,
27.9446

158.4972,
189.5557, 306.1056

3.2260, 5.2957,
18.0452

195.6376,
231.9905, 365.6930

1.2744, 2.4218,
10.8127

238.1692,

0.1639, 0.8371,

280.3280, 432.5512

5.8284

286.4571,
334.9528, 507.0987

■ 0.0000, 0.0000,
2.6739

■ 0.0000, 0.0000,
0.9303

■ 40.8744, 52.4702,
102.5812

■ 40.8744, 52.4702,
102.5812

■ 39.6926, 50.5051,
102.2642

■ 42.9271, 55.3973,
103.0380

■ 45.6923, 58.7501,
103.5394

■ 49.2781, 62.5859,
104.0908

■ 53.7729, 66.9508,
104.6964

■ 59.2532, 71.8847,
105.3599

■ 65.7871, 77.4232,
106.0846

■ 73.4366, 83.5989,
106.8734

■ 82.2588, 90.4415,
107.7292

■ 92.3067, 97.9790,
108.6545

Harmonies

Analogous

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



36.5196, 52.4702, 77.3698



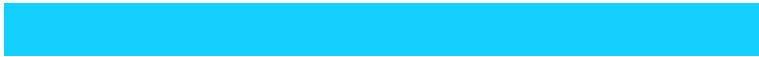
40.8744, 52.4702, 102.5812



48.0274, 52.4702, 116.1375

Triad

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



40.8744, 52.4702, 102.5812



67.6010, 52.4702, 62.6472



43.7727, 52.4702, 24.4281

Complementary

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



40.8744, 52.4702, 102.5812



43.3087, 25.2087, 3.2013

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.



51.7619, 52.4702, 22.5207



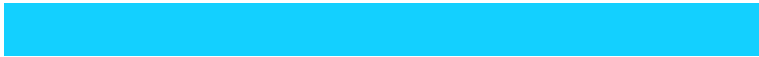
40.8744, 52.4702, 102.5812



66.1354, 52.4702, 40.7708

Square

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



40.8744, 52.4702, 102.5812



63.9071, 52.4702, 89.2699



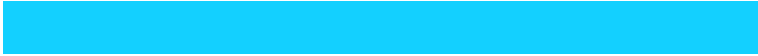
60.1002, 52.4702, 27.5905



38.0576, 52.4702, 33.8125

Rectangle

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



40.8744, 52.4702, 102.5812



53.6698, 52.4702, 114.6538



60.1002, 52.4702, 27.5905



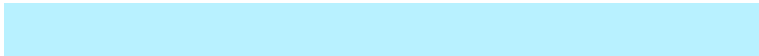
46.2565, 52.4702, 23.0236

Sweetspot

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



40.8760, 52.4720, 102.5815



69.1112, 80.1406, 106.4339



36.9073, 72.0101, 16.5555



14.1139, 16.5988, 22.7100



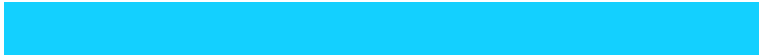
0.0000, 0.0000, 0.0000



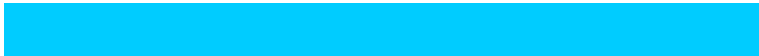
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8760, 52.4720, 102.5815



39.6926, 50.5051, 102.2642



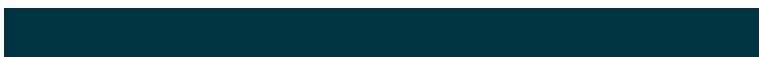
22.3013, 15.3226, 96.3899



18.2294, 19.8305, 23.1168



20.8484, 26.6064, 53.4713



2.1044, 2.7395, 5.2311

Inverse Universe

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



52.8591, 26.2815, 61.9631



52.1642, 25.6297, 59.4559



57.7361, 54.0634, 8.0104



18.6285, 18.2347, 21.9266



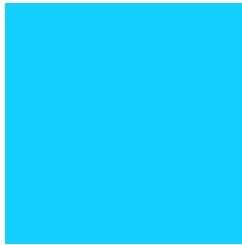
27.3115, 13.4139, 31.3546



2.6968, 1.3211, 3.2509

Previews

White Background



This preview shows how the XYZ color 40.8744, 52.4702, 102.5812 looks on a white background.

Color Contrast Check

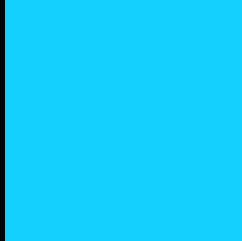
Large Text (above 18pt) WCAG AA × Fail

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 40.8744, 52.4702, 102.5812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

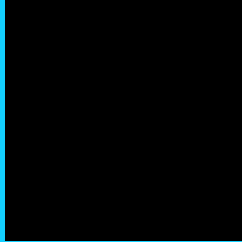
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8744, 52.4702, 102.5812

Background



This preview shows how black text looks on a background with the XYZ color 40.8744, 52.4702, 102.5812.

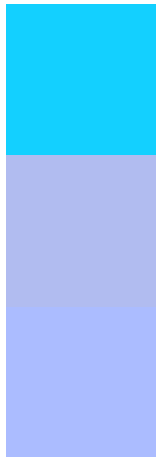


This preview shows how white text looks on a background with the XYZ color 40.8744, 52.4702,

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

40.8744, 52.4702, 102.5812

Protanopia

51.8429, 51.6048, 89.6664

Deuteranopia

52.8278, 51.8444, 101.8304



Tritanopia

37.2979, 52.1900, 81.5067

Trichromacy



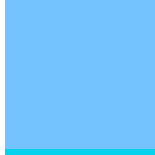
Original Color

40.8744, 52.4702, 102.5812



Protanomaly

43.7423, 49.6159, 93.6576



Deuteranomaly

44.7676, 49.9632, 101.8921



Tritanomaly

38.5668, 52.3114, 88.9533

Monochromacy



Original Color

40.8744, 52.4702, 102.5812



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

31.2144, 38.0267, 56.1468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8744, 52.4702, 102.5812 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(19, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 208, 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(19, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8744, 52.4702, 102.5812 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(19, 208, 255) }
```


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

```
.border{ border-color:rgb(19, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 208,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8744, 52.4702, 102.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 208, 255) }
```

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

```
.background{ background-color: rgb(19, 208,  
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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