

Converting Colors

XYZ(45.1323, 50.7460,
130.5979)

Have a look what the booklet for
XYZ(45.1323, 50.7460, 130.5979)
contains.

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Color

**XYZ(39.7888, 48.7450,
101.9194)**

Conversions

Conversions Part 1

Format	Color
Hex	32C7FF
RGB	50, 199, 255
RGB Percent	20%, 78%, 100%
CMY	0.8039, 0.2196, 0.0000
CMYK	0.80, 0.22, 0.00, 0.00
HSL	196°, 100%, 60%
HSV	196°, 80%, 100%
XYZ	39.7888, 48.7450, 101.9194
YIQ	160.8330, -106.7800, -14.1720

Conversions

Conversions Part 2

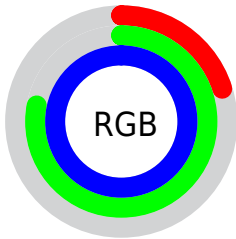
Format	Color
R _Y B	50, 136, 255
Decimal	3327999
CIE Lab	75.29, -19.47, -38.24
CIE LCh	75, 42.912, 243.020
Yxy	48.7450, 0.2089, 0.2559
Android (android.graphics.Color)	4281518079 (0xFF32C7FF)
YUV	160.8330, 46.4243, -97.2005
Hunter-Lab	69.8176, -20.4544, -37.6789

Details

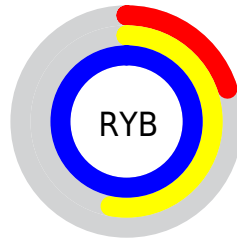
The XYZ color **39.7888, 48.7450, 101.9194** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.9717, 31.8017, 6.6823**, and the grayscale version is **33.6287, 35.3801, 38.5289**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **20.3184, 24.3280, 57.0510** is the 20% darker color. If you saturate the color by 10%, you get **37.2968, 45.1359, 101.3541**, and if you desaturate by 10%, it is **43.0561, 52.8644, 102.5423**.

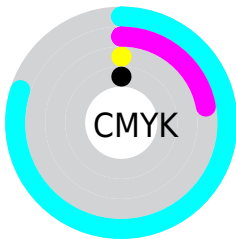
Distribution



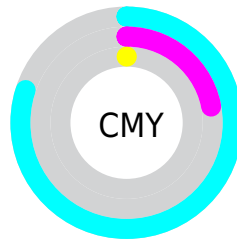
- Red (20%)
- Green (78%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7888, 48.7450, 101.9194 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 39.7888, 48.7450, 101.9194 by changing the saturation by 10% instead.


 39.7888, 48.7450,
101.9194


 39.7888, 48.7450,
101.9194

336.3823,
381.7376, 587.6282

 27.5574, 34.4172,
77.2787


 74.1282, 88.3126,
165.8672

 18.1310, 23.2143,
56.9687


 96.9669, 114.3212,
206.0114

 11.1444, 14.7518,
40.5709


 124.0720,
144.9923, 252.1605

 6.2320, 8.6454,
27.6668

 155.8090,
180.7102, 304.7330

 3.0287, 4.5106,
17.8378

192.5432,
221.8592, 364.1475

 1.1689, 1.9631,
10.6654

234.6399,

 0.0816, 0.5859,

268.8239, 430.8225

5.7310

282.4645,
321.9885, 505.1766

■ 0.0000, 0.0000,
2.6161

■ 0.0000, 0.0000,
0.9007

■ 39.7888, 48.7450,
101.9194

■ 39.7888, 48.7450,
101.9194

■ 37.2968, 45.1359,
101.3541

■ 43.0561, 52.8644,
102.5423

■ 35.4699, 42.0598,
100.8566

■ 47.1967, 57.5435,
103.2272

■ 52.2980, 62.8296,
103.9787

■ 58.4350, 68.7627,
104.8004

■ 65.6751, 75.3788,
105.6959

■ 74.0795, 82.7110,
106.6682

■ 83.7049, 90.7896,
107.7202

■ 94.6041, 99.6432,
108.8546

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

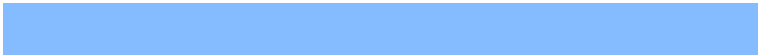
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7483, 48.7450, 80.4183



39.7888, 48.7450, 101.9194



47.1338, 48.7450, 109.2963

Triad

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



39.7888, 48.7450, 101.9194



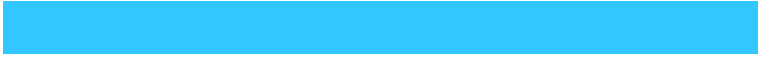
63.1749, 48.7450, 50.8206



38.5521, 48.7450, 24.3637

Complementary

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



39.7888, 48.7450, 101.9194



46.9717, 31.8017, 6.6823

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.



45.5367, 48.7450, 20.4569



39.7888, 48.7450, 101.9194



60.2371, 48.7450, 32.7602

Square

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



39.7888, 48.7450, 101.9194



61.1934, 48.7450, 75.3049



53.5529, 48.7450, 23.0279



34.0933, 48.7450, 35.7167

Rectangle

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



39.7888, 48.7450, 101.9194



52.5143, 48.7450, 103.8903



53.5529, 48.7450, 23.0279



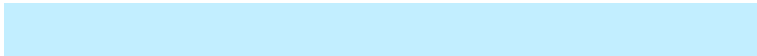
40.6526, 48.7450, 22.3090

Sweetspot

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



39.7903, 48.7466, 101.9196



70.9033, 79.9759, 106.3076



39.6097, 73.2119, 25.3222



14.5390, 16.5612, 22.6803



0.0000, 0.0000, 0.0000



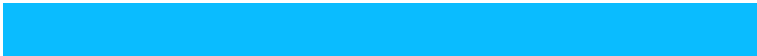
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7903, 48.7466, 101.9196



36.1876, 43.3057, 101.0593



23.7197, 16.6054, 96.5627



18.1106, 19.5928, 23.0772



18.6647, 22.2390, 52.7434



1.9084, 2.3476, 5.1658

Inverse Universe

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



52.6905, 27.6664, 56.5975



50.4413, 25.1177, 49.8373



64.1704, 66.1989, 12.4152



18.5685, 18.2107, 21.6107



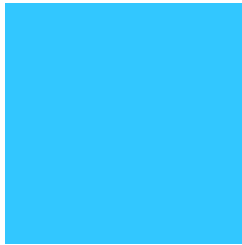
26.2093, 12.9730, 25.5503



2.5979, 1.2815, 2.7299

Previews

White Background



This preview shows how the XYZ color 39.7888, 48.7450, 101.9194 looks on a white background.

Color Contrast Check

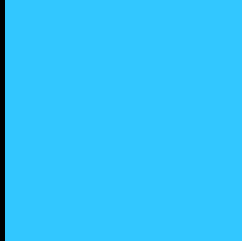
Large Text (above 18pt) WCAG AA × Fail

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 39.7888, 48.7450, 101.9194 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

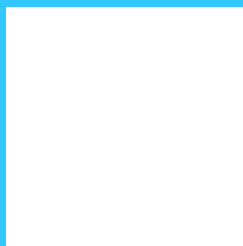
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7888, 48.7450, 101.9194

Background



This preview shows how black text looks on a background with the XYZ color 39.7888, 48.7450, 101.9194.



This preview shows how white text looks on a background with the XYZ color 39.7888, 48.7450,

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

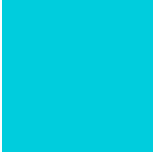
39.7888, 48.7450, 101.9194

Protanopia

48.9034, 48.1915, 90.7288

Deuteranopia

49.0760, 48.0468, 101.2951



Tritanopia

34.8825, 48.8831, 76.0035

Trichromacy



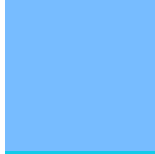
Original Color

39.7888, 48.7450, 101.9194



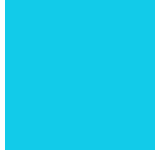
Protanomaly

43.2292, 47.0418, 94.7972



Deuteranomaly

43.6410, 47.1084, 101.4004



Tritanomaly

36.3134, 48.7237, 84.5815

Monochromacy



Original Color

39.7888, 48.7450, 101.9194



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

33.0655, 38.6650, 57.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7888, 48.7450, 101.9194 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(50, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 199, 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(50, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.7888, 48.7450, 101.9194 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(50, 199, 255) }
```


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

```
.border{ border-color:rgb(50, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7888, 48.7450, 101.9194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 199, 255) }
```

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

```
.background{ background-color: rgb(50, 199,  
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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