

Converting Colors

XYZ(38.2627, 48.0136, 99.3464)

Have a look what the booklet for
XYZ(38.2627, 48.0136, 99.3464)
contains.

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Color

**XYZ(38.2627, 48.0136,
99.3464)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 13C7FC |
| RGB | 19, 199, 252 |
| RGB Percent | 7%, 78%, 99% |
| CMY | 0.9253, 0.2196, 0.0118 |
| CMYK | 0.92, 0.21, 0.00, 0.01 |
| HSL | 194°, 97%, 53% |
| HSV | 194°, 92%, 99% |
| XYZ | 38.2627, 48.0136, 99.3464 |
| YIQ | 151.2220, -124.2930, -21.6770 |

Conversions

Conversions Part 2

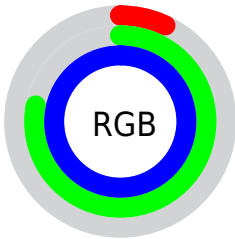
| Format | Color |
|-------------------------------------|--|
| RYB | 19, 121, 252 |
| Decimal | 1296380 |
| CIELab | 74.83, -22.33, -37.37 |
| CIELCh | 75, 43.537, 239.136 |
| Yxy | 48.0136, 0.2061, 0.2587 |
| Android (android.graphics.Color) | 4279486460 (0xFF13C7FC) |
| YUV | 151.2220, 49.6836, -115.9587 |
| Hunter-Lab | 69.2918, -22.6937, -36.5021 |

Details

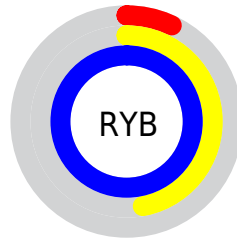
The XYZ color **38.2627, 48.0136, 99.3464** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.5837, 25.3836, 3.2734**, and the grayscale version is **29.3492, 30.8776, 33.6257**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **19.9757, 24.1909, 55.2462** is the 20% darker color. If you saturate the color by 10%, you get **37.0119, 45.9103, 99.0073**, and if you desaturate by 10%, it is **40.3884, 51.1056, 99.8322**.

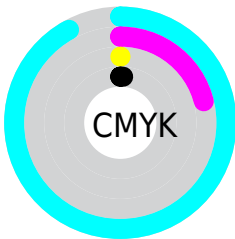
Distribution



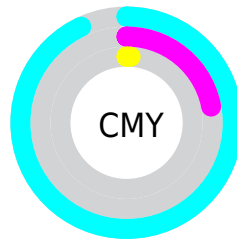
- Red (7%)
- Green (78%)
- Blue (99%)



- Red (7%)
- Yellow (47%)
- Blue (99%)



- Cyan (92%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)





- Cyan (93%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2627, 48.0136, 99.3464 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 38.2627, 48.0136, 99.3464 by changing the saturation by 10% instead.


 38.2627, 48.0136,
99.3464


 38.2627, 48.0136,
99.3464


330.0069,
378.8460, 579.3239

 26.3648, 33.8377,
75.1410


 71.8119, 87.2247,
162.3027


 17.2308, 22.7689,
55.2260


 94.1939, 113.0286,
201.8907


 10.4955, 14.4230,
39.1828


 120.8013,
143.4772, 247.4433

 5.7935, 8.4154,
26.5931

 151.9995,
178.9551, 299.3790

 2.7594, 4.3619,
17.0381

 188.1538,
219.8465, 358.1163

 1.0278, 1.8780,
10.0994

229.6296,

 0.0000, 0.5351,

266.5358, 424.0739

5.3585

276.7922,
319.4076, 497.6703

■ 0.0000, 0.0000,
2.3967

■ 0.0000, 0.0000,
0.7846

■ 38.2627, 48.0136,
99.3464

■ 38.2627, 48.0136,
99.3464

■ 37.0119, 45.9103,
99.0073

■ 40.3884, 51.1056,
99.8322

■ 43.2196, 54.6351,
100.3642

■ 46.8614, 58.6578,
100.9487

■ 51.3997, 63.2188,
101.5899

■ 56.9088, 68.3572,
102.2913

■ 63.4551, 74.1078,
103.0563

■ 71.0988, 80.5025,
103.8877

■ 79.8955, 87.5706,
104.7884

■ 89.8969, 95.3396,
105.7608

Harmonies

Analogous

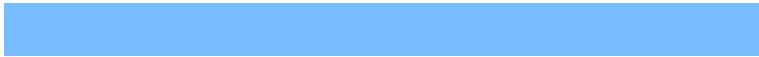
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5877, 48.0136, 76.5104



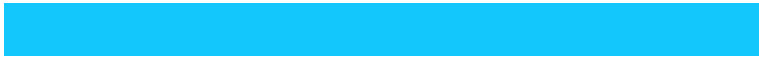
38.2627, 48.0136, 99.3464



45.4064, 48.0136, 109.1150

Triad

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



38.2627, 48.0136, 99.3464



62.6130, 48.0136, 52.9385



38.6171, 48.0136, 22.6943

Complementary

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



38.2627, 48.0136, 99.3464



42.5837, 25.3836, 3.2734

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.



45.8653, 48.0136, 19.6785



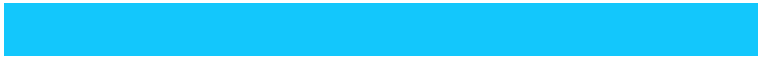
38.2627, 48.0136, 99.3464



60.2665, 48.0136, 33.7938

Square

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



38.2627, 48.0136, 99.3464



59.9907, 48.0136, 77.9868



53.8993, 48.0136, 23.0731



33.7750, 48.0136, 32.9500

Rectangle

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



38.2627, 48.0136, 99.3464



50.8104, 48.0136, 105.2351



53.8993, 48.0136, 23.0731



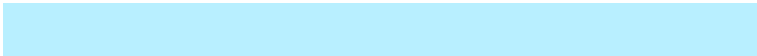
40.8245, 48.0136, 20.9588

Sweetspot

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



38.2644, 48.0153, 99.3476



68.5166, 78.9512, 106.2356



36.1707, 70.1967, 17.3584



13.9689, 16.3088, 22.6616



0.0000, 0.0000, 0.0000



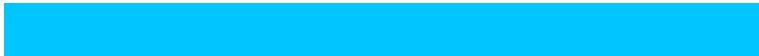
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2644, 48.0153, 99.3476



38.0129, 47.1459, 101.7043



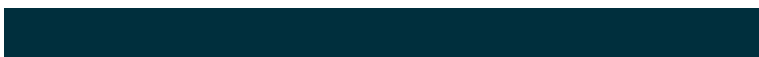
21.0929, 13.6724, 93.6238



17.4113, 18.8995, 22.1156



19.3961, 24.1478, 51.6123



1.8753, 2.3943, 4.8065

Inverse Universe

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



50.6881, 25.2867, 56.2436



51.3164, 25.2905, 54.9914



57.8217, 55.8597, 8.3527



17.8142, 17.4530, 20.8771



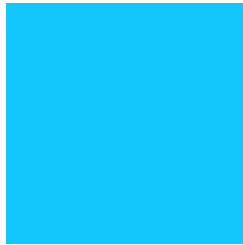
26.0823, 12.8486, 28.2054



2.4555, 1.2059, 2.8220

Previews

White Background



This preview shows how the XYZ color 38.2627, 48.0136, 99.3464 looks on a white background.

Color Contrast Check

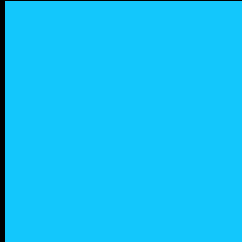
Large Text (above 18pt) WCAG AA × Fail

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 38.2627, 48.0136, 99.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

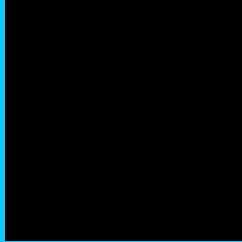
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

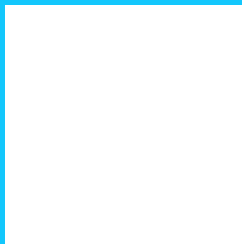
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2627, 48.0136, 99.3464

Background



This preview shows how black text looks on a background with the XYZ color 38.2627, 48.0136, 99.3464.



This preview shows how white text looks on a background with the XYZ color 38.2627, 48.0136,

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

38.2627, 48.0136, 99.3464

Protanopia

47.8928, 47.4363, 87.5208

Deuteranopia

48.6744, 47.5368, 101.2179



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



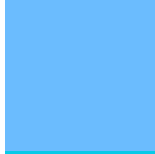
Original Color

38.2627, 48.0136, 99.3464



Protanomaly

40.9709, 45.9482, 91.5035



Deuteranomaly

41.9360, 46.2480, 100.4824



Tritanomaly

35.6320, 48.0558, 82.9990

Monochromacy



Original Color

38.2627, 48.0136, 99.3464



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.6733, 34.5197, 52.7287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2627, 48.0136, 99.3464 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, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(19, 199, 252)  
}
```

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, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 199, 252) }
```

Border

The CSS property to change the border of an element to XYZ 38.2627, 48.0136, 99.3464 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, 199, 252) }
```


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

```
.border{ border-color:rgb(19, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(19, 199,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2627, 48.0136, 99.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 199, 252) }
```

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

```
.background{ background-color: rgb(19, 199,  
252) }
```

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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