

Converting Colors

XYZ(45.1518, 53.7531,
118.0788)

Have a look what the booklet for
XYZ(45.1518, 53.7531, 118.0788)
contains.

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Color

**XYZ(42.1079, 52.3867,
102.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	3ECEFF
RGB	62, 206, 255
RGB Percent	24%, 81%, 100%
CMY	0.7568, 0.1921, 0.0000
CMYK	0.76, 0.19, 0.00, 0.00
HSL	195°, 100%, 62%
HSV	195°, 76%, 100%
XYZ	42.1079, 52.3867, 102.5001
YIQ	168.5300, -101.5530, -15.2890

Conversions

Conversions Part 2

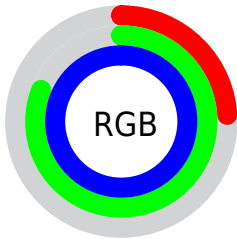
Format	Color
R _{YB}	62, 144, 255
Decimal	4116223
CIE _{Lab}	77.51, -21.90, -34.79
CIE _{LCh}	78, 41.107, 237.804
Yxy	52.3867, 0.2138, 0.2659
Android (android.graphics.Color)	4282306303 (0xFF3ECEFF)
YUV	168.5300, 42.6297, -93.4268
Hunter-Lab	72.3787, -22.8163, -33.2993

Details

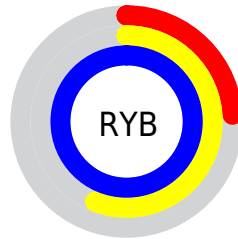
The XYZ color **42.1079, 52.3867, 102.5001** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.7957, 32.9796, 8.4062**, and the grayscale version is **37.3152, 39.2585, 42.7525**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.3409, 48.6948, 101.9333**, and if you desaturate by 10%, it is **45.6916, 56.5968, 103.1238**.

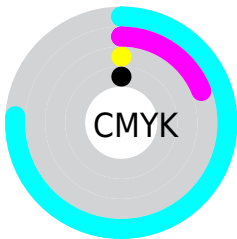
Distribution



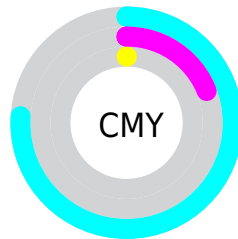
- Red (24%)
- Green (81%)
- Blue (100%)



- Red (24%)
- Yellow (56%)
- Blue (100%)



- Cyan (76%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1079, 52.3867, 102.5001 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 42.1079, 52.3867, 102.5001 by changing the saturation by 10% instead.

■ 42.1079, 52.3867,
102.5001

■ 42.1079, 52.3867,
102.5001

345.9141,
395.9277, 589.4938

■ 29.3773, 37.3134,
77.7616

■ 77.6270, 93.7013,
166.6704

■ 19.5121, 25.4502,
57.3629

■ 101.1463,
120.7114, 206.9394

■ 12.1471, 16.4128,
40.8854

■ 128.9924,
152.4692, 253.2222

■ 6.9168, 9.8167,
27.9105

■ 161.5308,
189.3591, 305.9375

■ 3.4560, 5.2776,
18.0198

199.1268,
231.7655, 365.5037

■ 1.3993, 2.4111,
10.7946

242.1458,

■ 0.2557, 0.8316,

280.0728, 432.3395

5.8164

290.9531,
334.6654, 506.8634

■ 0.0000, 0.0000,
2.6668

■ 0.0000, 0.0000,
0.9267

■ 42.1079, 52.3867,
102.5001

■ 42.1079, 52.3867,
102.5001

■ 39.3409, 48.6948,
101.9333

■ 45.6916, 56.5968,
103.1238

■ 37.2701, 45.4551,
101.4171

■ 50.1807, 61.3692,
103.8084

■ 36.5193, 44.1585,
101.2064

■ 55.6570, 66.7480,
104.5580

■ 62.1913, 72.7708,
105.3761

■ 69.8478, 79.4718,
106.2660

■ 78.6852, 86.8823,
107.2306

■ 88.7583, 95.0315,
108.2726

■ 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.



37.4955, 52.3867, 79.9074



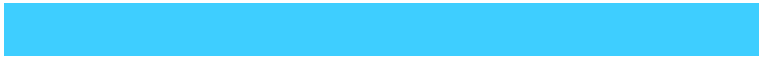
42.1079, 52.3867, 102.5001



49.2104, 52.3867, 112.6894

Triad

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



42.1079, 52.3867, 102.5001



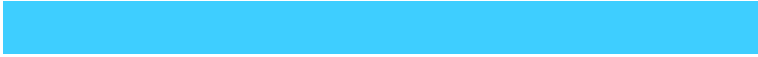
66.6193, 52.3867, 58.7287



43.0187, 52.3867, 26.4968

Complementary

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



42.1079, 52.3867, 102.5001



47.7957, 32.9796, 8.4062

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.



50.3781, 52.3867, 23.6067



42.1079, 52.3867, 102.5001



64.5198, 52.3867, 39.0136

Square

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



42.1079, 52.3867, 102.5001



63.8283, 52.3867, 83.5884



58.3583, 52.3867, 27.5124



37.9809, 52.3867, 36.8083

Rectangle

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



42.1079, 52.3867, 102.5001



54.5967, 52.3867, 109.4810



58.3583, 52.3867, 27.5124



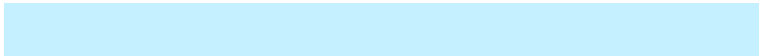
45.2777, 52.3867, 24.7679

Sweetspot

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



42.1095, 52.3885, 102.5003



72.0984, 81.3872, 106.5171



40.5763, 73.6761, 26.9089



14.7870, 16.8702, 22.7269



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.



42.1095, 52.3885, 102.5003



38.1611, 46.9194, 101.6528



25.6417, 19.4530, 97.0111



18.1415, 19.6546, 23.0875



19.2080, 23.3255, 52.9245



1.9575, 2.4458, 5.1822

Inverse Universe

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



54.1043, 29.1632, 61.1716



51.5188, 25.8602, 54.5510



64.3631, 66.1144, 13.9286



18.5841, 18.2169, 21.6928



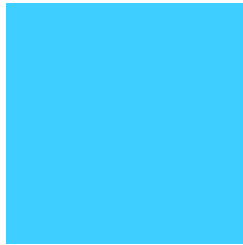
26.4835, 13.0827, 26.9942



2.6227, 1.2914, 2.8604

Previews

White Background



This preview shows how the XYZ color 42.1079, 52.3867, 102.5001 looks on a white background.

Color Contrast Check

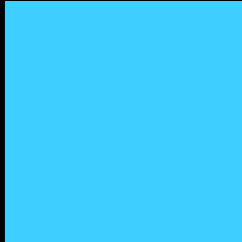
Large Text (above 18pt) WCAG AA × Fail

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 42.1079, 52.3867, 102.5001 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

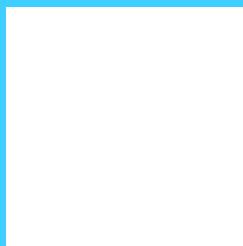
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1079, 52.3867, 102.5001

Background



This preview shows how black text looks on a background with the XYZ color 42.1079, 52.3867, 102.5001.

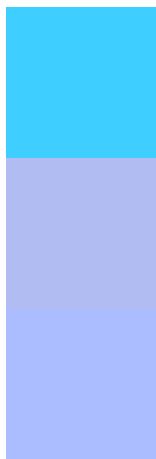


This preview shows how white text looks on a background with the XYZ color 42.1079, 52.3867,

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

42.1079, 52.3867, 102.5001

Protanopia

51.9147, 51.6074, 91.2294

Deuteranopia

52.8278, 51.8444, 101.8304



Tritanopia

37.9910, 52.5473, 81.5391

Trichromacy



Original Color

42.1079, 52.3867, 102.5001



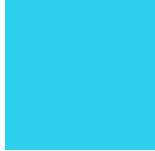
Protanomaly

46.2953, 50.8965, 95.3797



Deuteranomaly

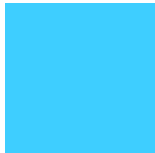
46.9252, 51.0755, 101.9931



Tritanomaly

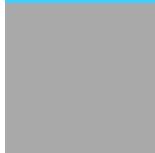
39.3153, 52.3319, 88.9178

Monochromacy



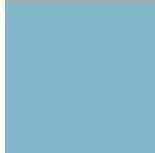
Original Color

42.1079, 52.3867, 102.5001



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.3592, 42.3719, 60.9058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1079, 52.3867, 102.5001 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(62, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 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(62, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1079, 52.3867, 102.5001 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(62, 206, 255) }
```


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

```
.border{ border-color:rgb(62, 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(62, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1079, 52.3867, 102.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 255) }
```

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

```
.background{ background-color: rgb(62, 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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