

# Converting Colors

XYZ(41.8225, 52.3355,  
102.5052)

Have a look what the booklet for  
XYZ(41.8225, 52.3355, 102.5052)  
contains.

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# Color

**XYZ(41.7522, 52.2034,  
102.4834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38CEFF
RGB	56, 206, 255
RGB Percent	22%, 81%, 100%
CMY	0.7803, 0.1921, 0.0000
CMYK	0.78, 0.19, 0.00, 0.00
HSL	195°, 100%, 61%
HSV	195°, 78%, 100%
XYZ	41.7522, 52.2034, 102.4834
YIQ	166.7360, -105.1290, -16.5610

# Conversions

## Conversions Part 2

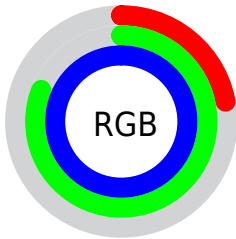
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	56, 142, 255
Decimal	3723007
CIE <sub>Lab</sub>	77.40, -22.51, -34.96
CIE <sub>LCh</sub>	77, 41.583, 237.228
Y <sub>xy</sub>	52.2034, 0.2125, 0.2657
Android (android.graphics.Color)	4281913087 (0xFF38CEFF)
YUV	166.7360, 43.5142, -97.1155
Hunter-Lab	72.2519, -23.2911, -33.5216

# Details

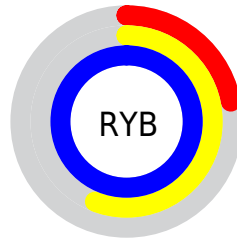
The XYZ color **41.7522, 52.2034, 102.4834** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.0072, 31.6517, 7.3754**, and the grayscale version is **36.4370, 38.3345, 41.7463**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.1910, 48.6845, 101.9392**, and if you desaturate by 10%, it is **45.1018, 56.2202, 103.0822**.

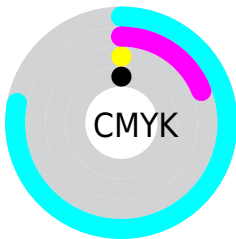
# Distribution



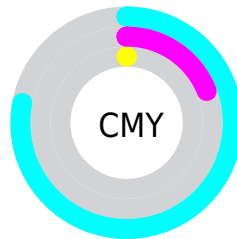
- Red (22%)
- Green (81%)
- Blue (100%)



- Red (22%)
- Yellow (56%)
- Blue (100%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7522, 52.2034, 102.4834 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 41.7522, 52.2034, 102.4834 by changing the saturation by 10% instead.



41.7522, 52.2034,  
102.4834

41.7522, 52.2034,  
102.4834

344.4638,  
395.2213, 589.4402

29.0976, 37.1672,  
77.7477

77.0920, 93.4311,  
166.6473

19.2993, 25.3370,  
57.3516

100.5078,  
120.3915, 206.9127

11.9920, 16.3283,  
40.8763

128.2415,  
152.0954, 253.1917

6.8104, 9.7568,  
27.9035

160.6582,  
188.9272, 305.9029

3.3891, 5.2380,  
18.0145

198.1235,  
231.2713, 365.4648

1.3627, 2.3876,  
10.7909

241.0026,

0.2294, 0.8195,

279.5121, 432.2959

5.8140

289.6609,  
334.0340, 506.8149

■ 0.0000, 0.0000,  
2.6653

■ 0.0000, 0.0000,  
0.9259

■ 41.7522, 52.2034,  
102.4834

■ 41.7522, 52.2034,  
102.4834

■ 39.1910, 48.6845,  
101.9392

■ 45.1018, 56.2202,  
103.0822

■ 37.2812, 45.5892,  
101.4424

■ 49.3325, 60.7810,  
103.7396

■ 36.9456, 45.0112,  
101.3485

■ 54.5287, 65.9312,  
104.4598

■ 60.7631, 71.7093,  
105.2465

■ 68.1012, 78.1499,  
106.1029

■ 76.6028, 85.2850,  
107.0320

■ 86.3236, 93.1440,  
108.0366

■ 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.



37.1640, 52.2034, 79.4601



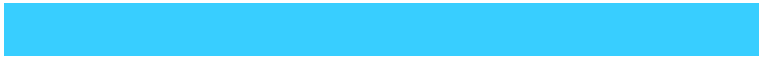
41.7522, 52.2034, 102.4834



48.8779, 52.2034, 113.1385

# Triad

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



41.7522, 52.2034, 102.4834



66.6130, 52.2034, 58.9968



42.9107, 52.2034, 25.9898

# Complementary

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



41.7522, 52.2034, 102.4834



47.0072, 31.6517, 7.3754

# 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.



50.3650, 52.2034, 23.2286



41.7522, 52.2034, 102.4834



64.5826, 52.2034, 38.9813

# Square

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



41.7522, 52.2034, 102.4834



63.7003, 52.2034, 84.1612



58.4139, 52.2034, 27.2743



37.7806, 52.2034, 36.1827



# Rectangle

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



41.7522, 52.2034, 102.4834



54.3120, 52.2034, 110.1213



58.4139, 52.2034, 27.2743



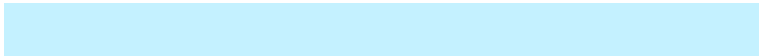
45.2021, 52.2034, 24.3044

# Sweetspot

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



41.7538, 52.2052, 102.4837



72.2308, 81.6521, 106.5612



39.8123, 73.3294, 24.7424



14.8194, 16.9350, 22.7377



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

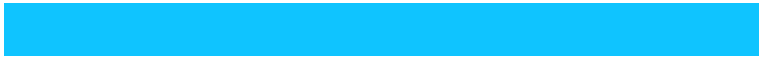


# Same Dimension

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



41.7538, 52.2052, 102.4837



37.9866, 46.7934, 101.6377



25.1589, 19.0154, 96.9521



18.1538, 19.6791, 23.0916



19.4286, 23.7667, 52.9980



1.9774, 2.4855, 5.1888



# Inverse Universe

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



53.7959, 28.5463, 61.0689



51.3762, 25.5946, 54.4431



63.0602, 63.7576, 12.7263



18.5903, 18.2194, 21.7254



26.5948, 13.1272, 27.5806



2.6327, 1.2955, 2.9133



# Previews

## White Background



This preview shows how the XYZ color 41.7522, 52.2034, 102.4834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

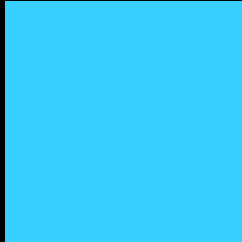
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7522, 52.2034, 102.4834 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

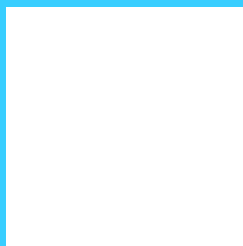
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.7522, 52.2034, 102.4834

## Background



This preview shows how black text looks on a background with the XYZ color 41.7522, 52.2034, 102.4834.



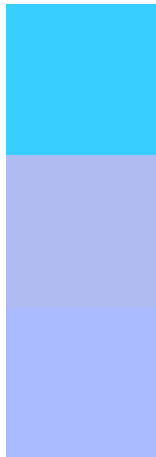
This preview shows how white text looks on a background with the XYZ color 41.7522, 52.2034,



# 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

41.7522, 52.2034, 102.4834

### Protanopia

51.7649, 51.5474, 90.4404

### Deuteranopia

52.3979, 51.3067, 101.7493



## **Tritanopia**

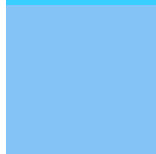
37.5863, 52.3387, 81.5202

# Trichromacy



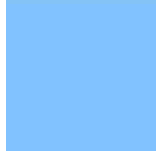
## Original Color

41.7522, 52.2034, 102.4834



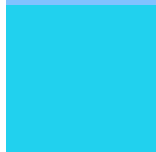
## Protanomaly

45.6654, 50.5896, 94.5467



## Deuteranomaly

46.3950, 50.4707, 101.9043



## Tritanomaly

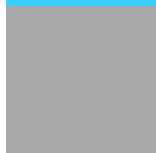
38.8603, 52.0973, 88.8966

# Monochromacy



## Original Color

41.7522, 52.2034, 102.4834



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

35.5851, 41.6833, 60.2030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7522, 52.2034, 102.4834 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(56, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7522, 52.2034, 102.4834 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(56, 206, 255) }
```



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

```
.border{ border-color:rgb(56, 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(56, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7522, 52.2034, 102.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 206, 255) }
```

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

```
.background{ background-color: rgb(56, 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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