

# Converting Colors

XYZ(43.6646, 54.1789,  
102.7640)

Have a look what the booklet for  
XYZ(43.6646, 54.1789, 102.7640)  
contains.

<b>XYZ(43.7521, 54.3168, 102.7859)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.7521, 54.3168,  
102.7859)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BD1FF
RGB	75, 209, 255
RGB Percent	29%, 82%, 100%
CMY	0.7058, 0.1804, 0.0000
CMYK	0.71, 0.18, 0.00, 0.00
HSL	195°, 100%, 65%
HSV	195°, 71%, 100%
XYZ	43.7521, 54.3168, 102.7859
YIQ	174.1780, -94.6300, -14.1020

# Conversions

## Conversions Part 2

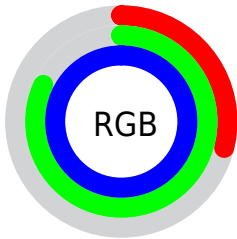
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 152, 255
Decimal	4968959
CIE <sub>Lab</sub>	78.65, -21.90, -33.01
CIE <sub>LCh</sub>	79, 39.613, 236.445
Yxy	54.3168, 0.2178, 0.2704
Android (android.graphics.Color)	4283159039 (0xFF4BD1FF)
YUV	174.1780, 39.8452, -86.9791
Hunter-Lab	73.6999, -23.0080, -31.0991

# Details

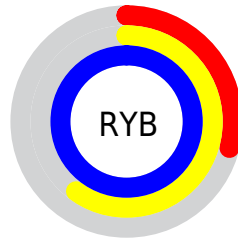
The XYZ color **43.7521, 54.3168, 102.7859** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.3488, 35.4450, 10.8993**, and the grayscale version is **40.1624, 42.2540, 46.0146**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **21.7486, 27.1884, 57.5277** is the 20% darker color. If you saturate the color by 10%, you get **40.5762, 50.3553, 102.1887**, and if you desaturate by 10%, it is **47.7953, 58.8245, 103.4429**.

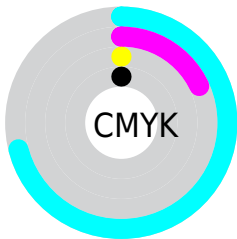
# Distribution



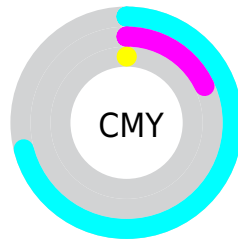
- Red (29%)
- Green (82%)
- Blue (100%)



- Red (29%)
- Yellow (60%)
- Blue (100%)



- Cyan (71%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7521, 54.3168, 102.7859 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 43.7521, 54.3168, 102.7859 by changing the saturation by 10% instead.



43.7521, 54.3168,  
102.7859

43.7521, 54.3168,  
102.7859

352.5650,  
403.3169, 590.4109

30.6727, 38.8550,  
77.9994

80.0932, 96.5392,  
167.0656

20.5004, 26.6469,  
57.5570

104.0857,  
124.0687, 207.3958

12.8697, 17.3082,  
41.0403

132.4467,  
156.3894, 253.7444

7.4152, 10.4545,  
28.0306

165.5414,  
193.8859, 306.5298

3.7717, 5.7013,  
18.1095

203.7352,  
236.9425, 366.1706

1.5738, 2.6643,  
10.8584

247.3935,

0.3753, 0.9591,

285.9436, 433.0854

5.8587

296.8817,  
341.2736, 507.6926

■ 0.0000, 0.0000,  
2.6920

■ 0.0000, 0.0000,  
0.9394

■ 43.7521, 54.3168,  
102.7859

■ 43.7521, 54.3168,  
102.7859

■ 40.5762, 50.3553,  
102.1887

■ 47.7953, 58.8245,  
103.4429

■ 38.1600, 46.8804,  
101.6453

■ 52.7868, 63.9183,  
104.1631

■ 36.4273, 43.9747,  
101.1758

■ 58.8034, 69.6399,  
104.9503

■ 65.9124, 76.0250,  
105.8081

■ 74.1749, 83.1063,  
106.7394

■ 83.6477, 90.9140,  
107.7472

94.3833, 99.4764,  
108.8341

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

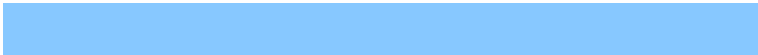
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.2979, 54.3168, 80.4714



43.7521, 54.3168, 102.7859



50.6997, 54.3168, 113.3860

# Triad

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



43.7521, 54.3168, 102.7859



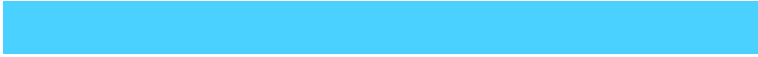
68.1383, 54.3168, 61.8526



45.2144, 54.3168, 28.3527

# Complementary

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



43.7521, 54.3168, 102.7859



49.3488, 35.4450, 10.8993

# 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.



52.5645, 54.3168, 25.7282



43.7521, 54.3168, 102.7859



66.2964, 54.3168, 41.9595

# Square

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



43.7521, 54.3168, 102.7859



65.2009, 54.3168, 86.2855



60.3932, 54.3168, 30.0201



40.0804, 54.3168, 38.3867



# Rectangle

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



43.7521, 54.3168, 102.7859



56.0021, 54.3168, 110.8143



60.3932, 54.3168, 30.0201



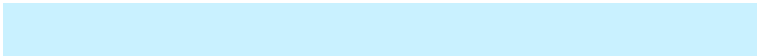
47.4849, 54.3168, 26.7043

# Sweetspot

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



43.7537, 54.3187, 102.7862



73.8072, 82.7972, 106.6991



42.0533, 74.3726, 29.9110



15.2870, 17.2900, 22.7815



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.



43.7537, 54.3187, 102.7862



39.4222, 48.7641, 101.9424



27.6701, 22.1514, 97.4250



18.1388, 19.6492, 23.0866



19.1604, 23.2304, 52.9086



1.9532, 2.4372, 5.1807



# Inverse Universe

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



55.2658, 30.8973, 63.3744



52.3207, 26.8141, 56.8218



65.5577, 67.8628, 16.3023



18.5827, 18.2164, 21.6857



26.4595, 13.0731, 26.8678

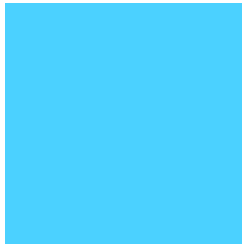


2.6205, 1.2906, 2.8490



# Previews

## White Background



This preview shows how the XYZ color 43.7521, 54.3168, 102.7859 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

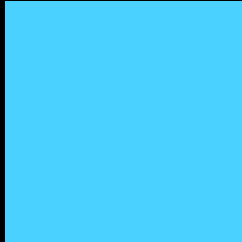
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7521, 54.3168, 102.7859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

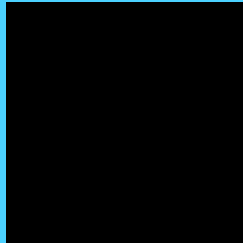
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

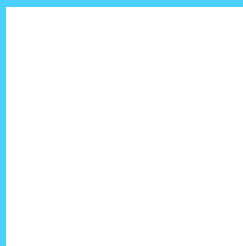
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7521, 54.3168, 102.7859**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7521, 54.3168, 102.7859.



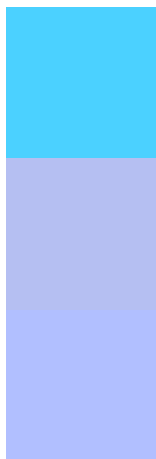
This preview shows how white text looks on a background with the XYZ color 43.7521, 54.3168,



# 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

43.7521, 54.3168, 102.7859

### Protanopia

53.7139, 53.4962, 91.4992

### Deuteranopia

54.8123, 53.8287, 102.1088



## Tritanopia

39.9630, 54.2576, 83.9678

# Trichromacy



## Original Color

43.7521, 54.3168, 102.7859



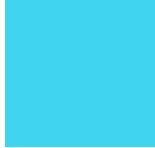
## Protanomaly

48.1379, 52.8544, 95.6605



## Deuteranomaly

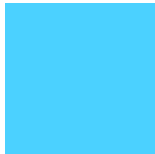
49.0593, 53.1836, 102.2875



## Tritanomaly

41.3860, 54.4682, 90.7702

# Monochromacy



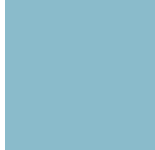
## Original Color

43.7521, 54.3168, 102.7859



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

39.0310, 45.2557, 63.1780

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7521, 54.3168, 102.7859 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(75, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 209, 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(75, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 209, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7521, 54.3168, 102.7859 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(75, 209, 255) }
```



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

```
.border{ border-color:rgb(75, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 209,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7521, 54.3168, 102.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 209, 255) }
```

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

```
.background{ background-color: rgb(75, 209,  
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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