

# Converting Colors

XYZ(53.8738, 56.6816,  
153.0580)

Have a look what the booklet for  
XYZ(53.8738, 56.6816, 153.0580)  
contains.

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# Color

**XYZ(44.2590, 52.7854,  
102.4637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ECCFF
RGB	94, 204, 255
RGB Percent	37%, 80%, 100%
CMY	0.6313, 0.2000, 0.0000
CMYK	0.63, 0.20, 0.00, 0.00
HSL	199°, 100%, 68%
HSV	199°, 63%, 100%
XYZ	44.2590, 52.7854, 102.4637
YIQ	176.9240, -81.9310, -7.4590

# Conversions

## Conversions Part 2

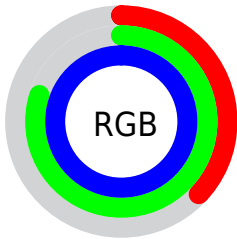
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 159, 255
Decimal	6212863
CIE Lab	77.75, -16.54, -34.36
CIE LCh	78, 38.129, 244.292
Yxy	52.7854, 0.2218, 0.2646
Android (android.graphics.Color)	4284402943 (0xFF5ECCFF)
YUV	176.9240, 38.4915, -72.7243
Hunter-Lab	72.6536, -18.4053, -32.7595

# Details

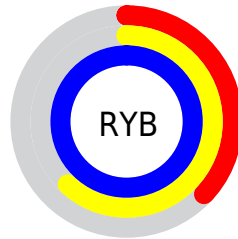
The XYZ color **44.2590, 52.7854, 102.4637** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **53.3872, 42.3212, 15.9469**, and the grayscale version is **41.5873, 43.7531, 47.6471**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.0994, 25.8899, 57.3113** is the 20% darker color. If you saturate the color by 10%, you get **40.1926, 47.9134, 101.7376**, and if you desaturate by 10%, it is **49.2915, 58.3053, 103.2638**.

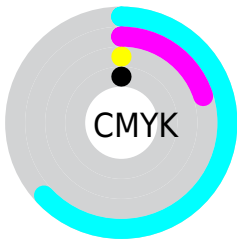
# Distribution



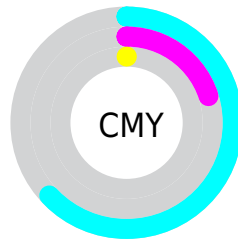
- Red (37%)
- Green (80%)
- Blue (100%)



- Red (37%)
- Yellow (62%)
- Blue (100%)



- Cyan (63%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2590, 52.7854, 102.4637 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 44.2590, 52.7854, 102.4637 by changing the saturation by 10% instead.



■ 44.2590, 52.7854,  
102.4637

■ 44.2590, 52.7854,  
102.4637

354.5985,  
397.4612, 589.3770

■ 31.0730, 37.6315,  
77.7314

■ 80.8513, 94.2885,  
166.6201

■ 20.8065, 25.6968,  
57.3382

■ 104.9882,  
121.4065, 206.8812

■ 13.0943, 16.5970,  
40.8656

■ 133.5062,  
153.2813, 253.1557

■ 7.5710, 9.9475,  
27.8952

■ 166.7705,  
190.2973, 305.8620

■ 3.8711, 5.3642,  
18.0083

205.1465,  
232.8389, 365.4188

■ 1.6295, 2.4625,  
10.7865

248.9996,

■ 0.4115, 0.8578,

281.2905, 432.2445

5.8111

298.6952,  
336.0365, 506.7577

■ 0.0000, 0.0000,  
2.6636

■ 0.0000, 0.0000,  
0.9250

■ 44.2590, 52.7854,  
102.4637

■ 44.2590, 52.7854,  
102.4637

■ 40.1926, 47.9134,  
101.7376

■ 49.2915, 58.3053,  
103.2638

■ 36.9973, 43.6351,  
101.0802

■ 55.3634, 64.5100,  
104.1415

■ 34.5652, 39.8935,  
100.4862

■ 62.5462, 71.4396,  
105.1004

■ 33.2292, 37.5784,  
100.1097

■ 70.9032, 79.1286,  
106.1441

■ 80.4927, 87.6093,  
107.2756

■ 91.3689, 96.9115,  
108.4979

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.



39.3284, 52.7854, 83.5713



44.2590, 52.7854, 102.4637



51.2414, 52.7854, 108.3236

# Triad

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



44.2590, 52.7854, 102.4637



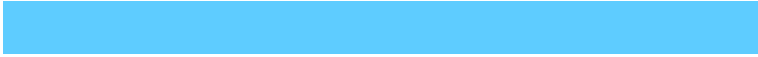
65.7077, 52.7854, 54.4836



42.5871, 52.7854, 29.9941

# Complementary

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



44.2590, 52.7854, 102.4637



53.3872, 42.3212, 15.9469

# 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.



49.1155, 52.7854, 25.7074



44.2590, 52.7854, 102.4637



62.8429, 52.7854, 37.4688

# Square

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



44.2590, 52.7854, 102.4637



64.0862, 52.7854, 76.9850



56.5872, 52.7854, 28.0638



38.4316, 52.7854, 41.5745



# Rectangle

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



44.2590, 52.7854, 102.4637



56.2433, 52.7854, 103.0894



56.5872, 52.7854, 28.0638



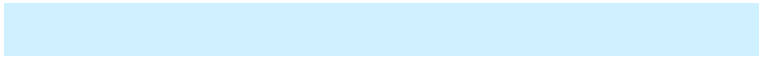
44.5522, 52.7854, 27.8013

# Sweetspot

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



44.2606, 52.7872, 102.4639



74.7144, 82.5364, 106.6010



45.4871, 75.9442, 39.0452



15.4226, 17.1583, 22.7490



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.



44.2606, 52.7872, 102.4639



39.1918, 46.6285, 101.5423



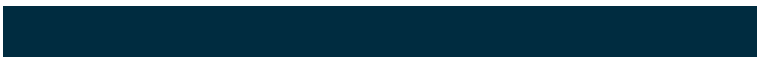
29.8153, 23.8966, 97.6488



18.0411, 19.4539, 23.0541



17.5032, 19.9160, 52.3562



1.8025, 2.1358, 5.1305



# Inverse Universe

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



56.1430, 33.6269, 60.6600



52.6132, 28.4964, 53.5367



70.3173, 76.1814, 21.5903



18.5334, 18.1967, 21.4261



25.6230, 12.7385, 22.4630

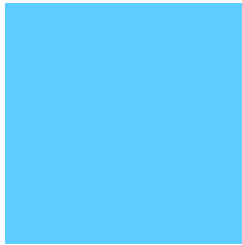


2.5444, 1.2602, 2.4485



# Previews

## White Background



This preview shows how the XYZ color 44.2590, 52.7854, 102.4637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

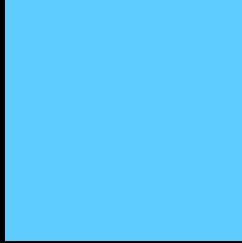
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2590, 52.7854, 102.4637 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

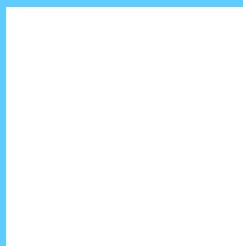
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.2590, 52.7854, 102.4637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2590, 52.7854, 102.4637.



This preview shows how white text looks on a background with the XYZ color 44.2590, 52.7854,



# 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

44.2590, 52.7854, 102.4637

### Protanopia

52.6582, 52.2740, 92.9024

### Deuteranopia

53.2668, 52.0707, 101.8509



## Tritanopia

39.8362, 52.7974, 80.0428

# Trichromacy



## Original Color

44.2590, 52.7854, 102.4637

## Protanomaly

48.2677, 51.5639, 96.2158

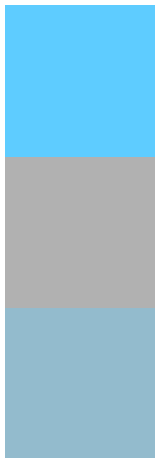
## Deuteranomaly

48.8434, 51.7329, 102.0189

## Tritanomaly

41.3452, 52.6714, 88.1082

# Monochromacy



## Original Color

44.2590, 52.7854, 102.4637

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

40.8224, 46.1515, 64.5142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2590, 52.7854, 102.4637 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(94, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 204, 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(94, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 204, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2590, 52.7854, 102.4637 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(94, 204, 255) }
```



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

```
.border{ border-color:rgb(94, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 204,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2590, 52.7854, 102.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 204, 255) }
```

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

```
.background{ background-color: rgb(94, 204,  
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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