

# Converting Colors

XYZ(43.7470, 53.7650,  
102.6797)

Have a look what the booklet for  
XYZ(43.7470, 53.7650, 102.6797)  
contains.

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# Color

**XYZ(43.6711, 53.5511,  
102.6424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50CFFF
RGB	80, 207, 255
RGB Percent	31%, 81%, 100%
CMY	0.6862, 0.1882, 0.0000
CMYK	0.69, 0.19, 0.00, 0.00
HSL	196°, 100%, 66%
HSV	196°, 69%, 100%
XYZ	43.6711, 53.5511, 102.6424
YIQ	174.4990, -91.1000, -11.9960

# Conversions

## Conversions Part 2

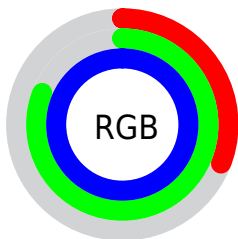
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	80, 154, 255
Decimal	5296127
CIE Lab	78.20, -20.21, -33.69
CIE LCh	78, 39.287, 239.045
Yxy	53.5511, 0.2185, 0.2679
Android (android.graphics.Color)	4283486207 (0xFF50CFFF)
YUV	174.4990, 39.6870, -82.8756
Hunter-Lab	73.1786, -21.5384, -31.9368

# Details

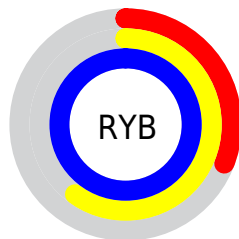
The XYZ color **43.6711, 53.5511, 102.6424** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.4087, 37.2800, 12.1305**, and the grayscale version is **40.3267, 42.4268, 46.2028**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **40.2551, 49.3309, 102.0079**, and if you desaturate by 10%, it is **47.9818, 58.3460, 103.3407**.

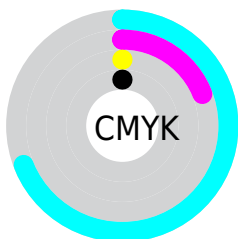
# Distribution



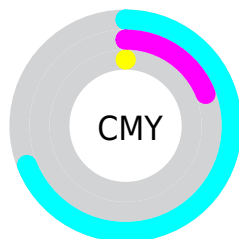
- Red (31%)
- Green (81%)
- Blue (100%)



- Red (31%)
- Yellow (60%)
- Blue (100%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6711, 53.5511, 102.6424 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 43.6711, 53.5511, 102.6424 by changing the saturation by 10% instead.



■ 43.6711, 53.5511,  
102.6424

■ 43.6711, 53.5511,  
102.6424

352.2394,  
400.3959, 589.9505

■ 30.6088, 38.2429,  
77.8800

■ 79.9720, 95.4148,  
166.8672

■ 20.4515, 26.1713,  
57.4595

■ 103.9414,  
122.7391, 207.1666

■ 12.8338, 16.9518,  
40.9625

■ 132.2771,  
154.8376, 253.4822

■ 7.3904, 10.2001,  
27.9703

■ 165.3446,  
192.0946, 306.2324

■ 3.7559, 5.5319,  
18.0644

203.5093,  
234.8945, 365.8358

■ 1.5650, 2.5626,  
10.8263

247.1363,

■ 0.3694, 0.9079,

283.6218, 432.7109

5.8375

296.5913,  
338.6608, 507.2763

■ 0.0000, 0.0000,  
2.6793

■ 0.0000, 0.0000,  
0.9330

■ 43.6711, 53.5511,  
102.6424

■ 43.6711, 53.5511,  
102.6424

■ 40.2551, 49.3309,  
102.0079

■ 47.9818, 58.3460,  
103.3407

■ 37.6301, 45.6275,  
101.4314

■ 53.2660, 63.7546,  
104.1062

■ 35.6570, 42.3688,  
100.9064

■ 59.5990, 69.8180,  
104.9428

■ 35.4108, 41.9416,  
100.8369

■ 67.0467, 76.5717,  
105.8538

■ 75.6698, 84.0482,  
106.8424

■ 85.5240, 92.2776,  
107.9115

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

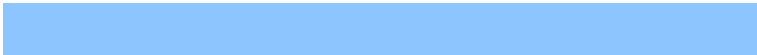
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0440, 53.5511, 81.3578



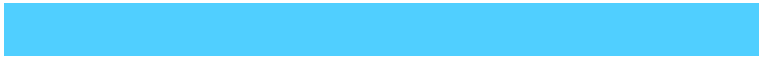
43.6711, 53.5511, 102.6424



50.6528, 53.5511, 111.6728

# Triad

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



43.6711, 53.5511, 102.6424



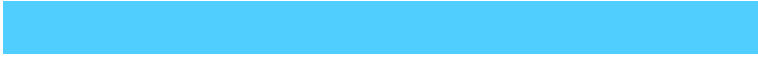
67.1465, 53.5511, 59.0163



44.0574, 53.5511, 28.5875

# Complementary

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



43.6711, 53.5511, 102.6424



50.4087, 37.2800, 12.1305

# 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.



51.1454, 53.5511, 25.4083



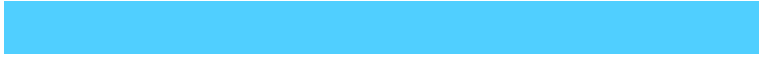
43.6711, 53.5511, 102.6424



64.9386, 53.5511, 40.0833

# Square

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



43.6711, 53.5511, 102.6424



64.6493, 53.5511, 82.8930



58.8828, 53.5511, 29.0284



39.2508, 53.5511, 39.1392



# Rectangle

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



43.6711, 53.5511, 102.6424



55.8736, 53.5511, 108.1478



58.8828, 53.5511, 29.0284



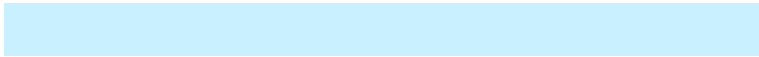
46.2283, 53.5511, 26.7593

# Sweetspot

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



43.6727, 53.5529, 102.6427



73.5105, 82.2039, 106.6003



42.8788, 74.7498, 32.1360



15.2159, 17.1478, 22.7578



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.



43.6727, 53.5529, 102.6427



39.2856, 48.0252, 101.8070



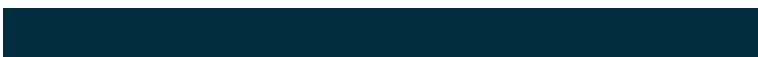
28.1774, 22.5624, 97.4776



18.1088, 19.5893, 23.0766



18.6341, 22.1778, 52.7332



1.9057, 2.3420, 5.1649



# Inverse Universe

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



55.3723, 31.5041, 62.1957



52.3654, 27.2671, 55.7156



66.7778, 70.0182, 17.5869



18.5676, 18.2103, 21.6061



26.1938, 12.9668, 25.4689

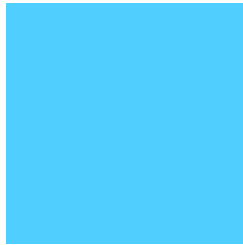


2.5965, 1.2810, 2.7226



# Previews

## White Background



This preview shows how the XYZ color 43.6711, 53.5511, 102.6424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

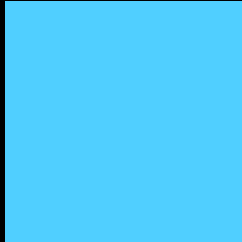
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6711, 53.5511, 102.6424 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

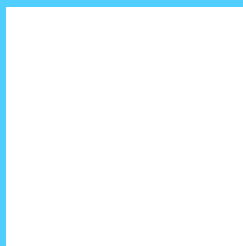
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.6711, 53.5511, 102.6424

## Background



This preview shows how black text looks on a background with the XYZ color 43.6711, 53.5511, 102.6424.



This preview shows how white text looks on a background with the XYZ color 43.6711, 53.5511,



# 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

43.6711, 53.5511, 102.6424

### Protanopia

53.1815, 52.8817, 92.1982

### Deuteranopia

53.7032, 52.6139, 101.9328



## Tritanopia

39.8007, 53.8341, 82.4220

# Trichromacy



## Original Color

43.6711, 53.5511, 102.6424

## Protanomaly

47.8561, 52.0349, 95.5171

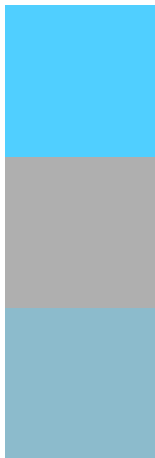
## Deuteranomaly

48.6051, 52.2753, 102.1361

## Tritanomaly

41.0050, 53.5683, 89.0675

# Monochromacy



## Original Color

43.6711, 53.5511, 102.6424

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

39.4846, 45.4757, 63.8234

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6711, 53.5511, 102.6424 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(80, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 207, 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(80, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6711, 53.5511, 102.6424 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(80, 207, 255) }
```



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

```
.border{ border-color:rgb(80, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6711, 53.5511, 102.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 207, 255) }
```

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

```
.background{ background-color: rgb(80, 207,  
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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