

# Converting Colors

XYZ(43.6337, 51.8661, 81.8402)

Have a look what the booklet for  
XYZ(43.6337, 51.8661, 81.8402)  
contains.

<b>XYZ(43.6337, 51.8661, 81.8402)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.6337, 51.8661,  
81.8402)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7EC9E5
RGB	126, 201, 229
RGB Percent	49%, 79%, 90%
CMY	0.5059, 0.2118, 0.1020
CMYK	0.45, 0.12, 0.00, 0.10
HSL	196°, 66%, 70%
HSV	196°, 45%, 90%
XYZ	43.6337, 51.8661, 81.8402
YIQ	181.7670, -53.6880, -7.1920

# Conversions

## Conversions Part 2

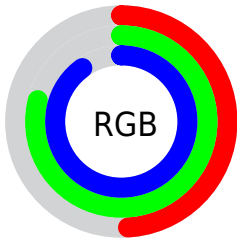
Format	Color
R <sub>Y</sub> B	126, 169, 229
Decimal	8309221
CIE Lab	77.20, -16.01, -21.15
CIE LCh	77, 26.531, 232.872
Yxy	51.8661, 0.2460, 0.2925
Android (android.graphics.Color)	4286499301 (0xFF7EC9E5)
YUV	181.7670, 23.2859, -48.9077
Hunter-Lab	72.0181, -17.8837, -16.9635

# Details

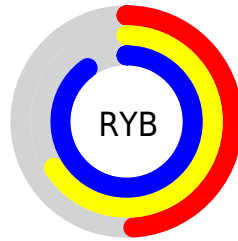
The XYZ color **43.6337, 51.8661, 81.8402** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.6357, 41.2767, 25.1967**, and the grayscale version is **44.2365, 46.5402, 50.6823**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **20.3604, 25.1135, 43.3094** is the 20% darker color. If you saturate the color by 10%, you get **39.2140, 47.4780, 81.2271**, and if you desaturate by 10%, it is **48.8883, 56.7742, 82.5115**.

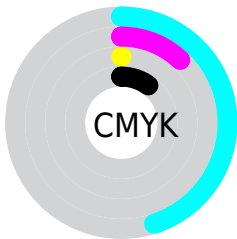
# Distribution



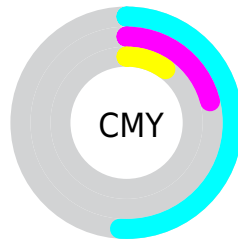
- Red (49%)
- Green (79%)
- Blue (90%)



- Red (49%)
- Yellow (66%)
- Blue (90%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (51%)
- Magenta (21%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6337, 51.8661, 81.8402 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 43.6337, 51.8661, 81.8402 by changing the saturation by 10% instead.



■ 43.6337, 51.8661,  
81.8402

■ 43.6337, 51.8661,  
81.8402

352.0889,  
393.9195, 520.9824

■ 30.5793, 36.8984,  
60.6988

■ 79.9160, 92.9337,  
137.7846

■ 20.4290, 25.1288,  
43.5531

■ 103.8747,  
119.8024, 173.4246

■ 12.8173, 16.1730,  
29.9847

■ 132.1988,  
151.4069, 214.7345

■ 7.3790, 9.6467,  
19.5751

165.2538,  
188.1315, 262.1330

■ 3.7487, 5.1653,  
11.9055

203.4049,  
230.3607, 316.0384

■ 1.5609, 2.3446,  
6.5576

247.0176,

■ 0.3668, 0.7972,

278.4788, 376.8695

3.1128

296.4571,  
332.8702, 445.0446

■ 0.0000, 0.0000,  
1.1525

■ 0.0000, 0.0000,  
0.0000

■ 43.6337, 51.8661,  
81.8402

■ 43.6337, 51.8661,  
81.8402

■ 39.2140, 47.4780,  
81.2271

■ 48.8883, 56.7742,  
82.5115

■ 35.5703, 43.5750,  
80.6658

■ 55.0219, 62.2227,  
83.2399

■ 32.6431, 40.1267,  
80.1545

■ 62.0814, 68.2378,  
84.0289

■ 30.3618, 37.0955,  
79.6896

■ 70.1086, 74.8420,  
84.8805

■ 28.6398, 34.4358,  
79.2670

■ 79.1427, 82.0566,  
85.7969

■ 27.9163, 33.2037,  
79.0673

■ 86.0606, 88.2723,  
86.6321

■ 87.9080, 91.9672,  
87.2479

■ 89.8188, 95.7888,  
87.8848

■ 91.1430, 98.4372,  
88.3262

# Harmonies

## Analogous

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



40.8345, 51.8661, 68.0583



43.6337, 51.8661, 81.8402



48.0952, 51.8661, 89.0252

# Triad

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



43.6337, 51.8661, 81.8402



59.6378, 51.8661, 60.0157



45.5975, 51.8661, 34.4223

# Complementary

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



43.6337, 51.8661, 81.8402



47.6357, 41.2767, 25.1967

# 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.



50.5190, 51.8661, 33.0162



43.6337, 51.8661, 81.8402



58.8550, 51.8661, 46.2838

# Square

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



43.6337, 51.8661, 81.8402



57.5017, 51.8661, 75.0957



55.4307, 51.8661, 36.9782



41.9127, 51.8661, 41.2162



# Rectangle

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



43.6337, 51.8661, 81.8402



51.5053, 51.8661, 88.3674



55.4307, 51.8661, 36.9782



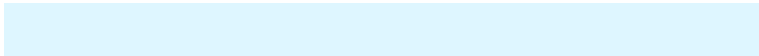
47.1531, 51.8661, 33.3577

# Sweetspot

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



43.6353, 51.8681, 81.8414



81.0806, 88.6306, 107.4418



42.4132, 62.7908, 40.2255



16.8928, 18.5853, 22.9469



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

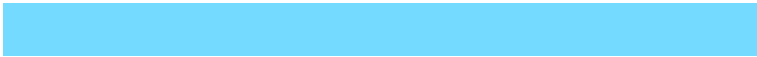


# Same Dimension

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



43.6353, 51.8681, 81.8414



50.3862, 60.9421, 103.7151



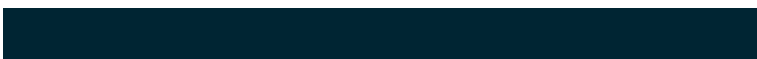
33.6601, 31.9177, 78.5164



14.4588, 15.6389, 18.4009



16.0659, 19.1939, 45.2412



1.2634, 1.5707, 3.3685



# Inverse Universe

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



50.3180, 35.7983, 59.5182



60.2348, 39.0920, 70.4049



57.9035, 61.8124, 28.6193



14.8191, 14.5448, 17.2480



22.5028, 11.1353, 22.0747

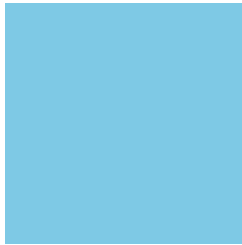


1.7013, 0.8382, 1.8337



# Previews

## White Background



This preview shows how the XYZ color 43.6337, 51.8661, 81.8402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

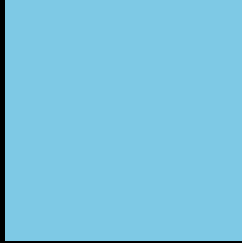
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6337, 51.8661, 81.8402 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 43.6337, 51.8661, 81.8402

## Background



This preview shows how black text looks on a background with the XYZ color 43.6337, 51.8661, 81.8402.



This preview shows how white text looks on a background with the XYZ color 43.6337, 51.8661,



# 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

43.6337, 51.8661, 81.8402

### Protanopia

50.6687, 51.3241, 74.9462

### Deuteranopia

52.6179, 51.5088, 83.5129



## Tritanopia

42.3105, 52.0373, 74.8320

# Trichromacy



**Original Color**

43.6337, 51.8661, 81.8402

**Protanomaly**

47.4935, 51.2542, 77.2019

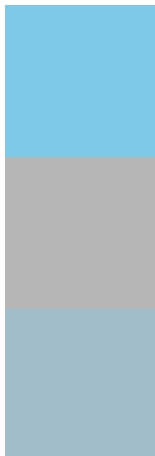
**Deuteranomaly**

48.5717, 51.0305, 82.8912

**Tritanomaly**

42.7520, 51.8539, 77.5676

# Monochromacy



**Original Color**

43.6337, 51.8661, 81.8402

**Achromatopsia**

44.4628, 46.7784, 50.9417

**Achromatomaly**

43.4067, 48.2001, 61.0486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6337, 51.8661, 81.8402 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(126, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(126, 201, 229)  
}
```

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(126, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 201, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6337, 51.8661, 81.8402 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(126, 201, 229) }
```



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

```
.border{ border-color:rgb(126, 201, 229) }
```

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

Here you see how a box with a 4 pixel rgb(126, 201, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 201, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 201, 229);  
box-shadow:4px 4px 4px 4px rgb(126, 201,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6337, 51.8661, 81.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 201, 229) }
```

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

```
.background{ background-color: rgb(126,  
201, 229) }
```

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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