

# Converting Colors

XYZ(56.5362, 46.5957,  
168.3335)

Have a look what the booklet for  
XYZ(56.5362, 46.5957, 168.3335)  
contains.

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# **Color**

**XYZ(43.5657, 41.4356,  
100.3094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FA9FF
RGB	143, 169, 255
RGB Percent	56%, 66%, 100%
CMY	0.4392, 0.3372, 0.0000
CMYK	0.44, 0.34, 0.00, 0.00
HSL	226°, 100%, 78%
HSV	226°, 44%, 100%
XYZ	43.5657, 41.4356, 100.3094
YIQ	171.0300, -43.1020, 21.2340

# Conversions

## Conversions Part 2

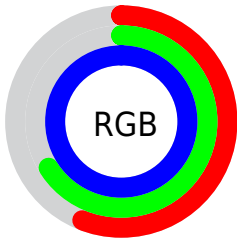
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">143, 164, 255</a>
Decimal	<a href="#">9415167</a>
CIELab	<a href="#">70.48, 12.75, -45.50</a>
CIELCh	<a href="#">70, 47.257, 285.658</a>
Yxy	<a href="#">41.4356, 0.2351, 0.2236</a>
Android (android.graphics.Color)	<a href="#">4287605247 (0xFF8FA9FF)</a>
YUV	<a href="#">171.0300, 41.3972, -24.5823</a>
Hunter-Lab	<a href="#">64.3705, 8.1598, -47.3331</a>

# Details

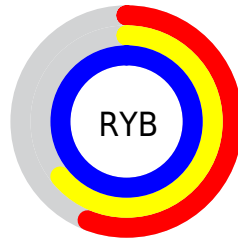
The XYZ color **43.5657, 41.4356, 100.3094** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.2183, 79.2834, 37.3802**, and the grayscale version is **38.5393, 40.5463, 44.1549**.

A 20% lighter version of the original color is **68.7930, 72.9488, 105.0625**, and **20.3921, 18.7782, 55.9759** is the 20% darker color. If you saturate the color by 10%, you get **36.2685, 32.6657, 99.0013**, and if you desaturate by 10%, it is **52.4143, 51.8166, 101.8468**.

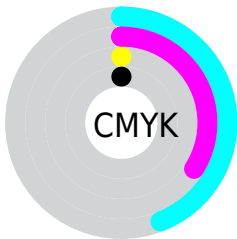
# Distribution



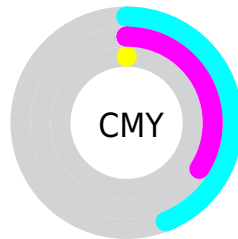
- Red (56%)
- Green (66%)
- Blue (100%)



- Red (56%)
- Yellow (64%)
- Blue (100%)



- Cyan (44%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (34%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5657, 41.4356, 100.3094 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 43.5657, 41.4356, 100.3094 by changing the saturation by 10% instead.



■ 43.5657, 41.4356,  
100.3094

■ 43.5657, 41.4356,  
100.3094

351.8153,  
352.1379, 582.4393

■ 30.5257, 28.6596,  
75.9406

■ 79.8142, 77.3447,  
163.6379

■ 20.3880, 18.8235,  
55.8775

■ 103.7534,  
101.2466, 203.4347

■ 12.7873, 11.5428,  
39.7014

132.0564,  
129.6260, 249.2112

■ 7.3582, 6.4332,  
26.9938

165.0885,  
162.8671, 301.3861

■ 3.7354, 3.1102,  
17.3361

203.2151,  
201.3545, 360.3778

■ 1.5536, 1.1895,  
10.3100

246.8015,

■ 0.3619, 0.0531,

245.4725, 426.6049

5.4967

296.2131,  
295.6055, 500.4859

■ 0.0000, 0.0000,  
2.4777

■ 0.0000, 0.0000,  
0.8283

■ 43.5657, 41.4356,  
100.3094

■ 43.5657, 41.4356,  
100.3094

■ 36.2685, 32.6657,  
99.0013

■ 52.4143, 51.8166,  
101.8468

■ 30.4257, 25.4187,  
97.9104

■ 62.8954, 63.8818,  
103.6232

■ 25.9351, 19.6041,  
97.0248

■ 75.0889, 77.7050,  
105.6487

■ 22.6785, 15.1191,  
96.3307

■ 89.0684, 93.3541,  
107.9325

■ 20.5149, 11.8450,  
95.8128

95.0500, 100.0000,  
108.9000

■ 19.6239, 10.3678,  
95.5746

# Harmonies

## Analogous

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



35.7882, 41.4356, 100.7442



43.5657, 41.4356, 100.3094



51.0961, 41.4356, 82.2314

# Triad

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



43.5657, 41.4356, 100.3094



50.8075, 41.4356, 20.8658



26.5811, 41.4356, 35.3025

# Complementary

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



43.5657, 41.4356, 100.3094



74.2183, 79.2834, 37.3802

# 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.



29.6129, 41.4356, 21.2850



43.5657, 41.4356, 100.3094



43.2114, 41.4356, 15.0114

# Square

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



43.5657, 41.4356, 100.3094



55.6382, 41.4356, 34.5009



35.4775, 41.4356, 15.1341



26.6496, 41.4356, 57.7123



# Rectangle

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



43.5657, 41.4356, 100.3094



54.6671, 41.4356, 65.2085



35.4775, 41.4356, 15.1341



27.2520, 41.4356, 29.6439

# Sweetspot

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



43.5671, 41.4371, 100.3097



76.2987, 79.0667, 105.8478



61.2130, 83.0099, 86.8283



15.7149, 16.2294, 22.5543



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.



43.5671, 41.4371, 100.3097



36.8774, 33.4073, 99.1123



45.0782, 35.7360, 99.1296



17.3451, 18.0619, 22.8221



10.3470, 5.6035, 49.9708



1.0863, 0.7033, 4.8918



# Inverse Universe

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



58.2249, 43.7712, 42.9173



53.5425, 36.8985, 33.6731



71.8117, 89.5325, 39.4853



18.1821, 18.0562, 19.5761



22.0109, 11.2936, 3.4418



2.1829, 1.1155, 0.5447



# Previews

## White Background



This preview shows how the XYZ color 43.5657, 41.4356, 100.3094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

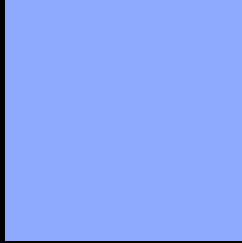
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.5657, 41.4356, 100.3094 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 43.5657, 41.4356, 100.3094

## Background



This preview shows how black text looks on a background with the XYZ color 43.5657, 41.4356, 100.3094.



This preview shows how white text looks on a background with the XYZ color 43.5657, 41.4356,



# 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

43.5657, 41.4356, 100.3094

### Protanopia

43.5657, 41.4356, 100.3094

### Deuteranopia

42.7663, 41.5801, 100.3795



## Tritanopia

35.1266, 41.4999, 57.7887

# Trichromacy



## Original Color

43.5657, 41.4356, 100.3094

## Protanomaly

43.5657, 41.4356, 100.3094

## Deuteranomaly

43.0722, 41.4584, 100.3399

## Tritanomaly

37.9194, 41.4406, 71.6459

# Monochromacy



## Original Color

43.5657, 41.4356, 100.3094

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.7333, 40.5908, 61.6177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5657, 41.4356, 100.3094 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(143, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 169, 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(143, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 169, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5657, 41.4356, 100.3094 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(143, 169, 255) }
```



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

```
.border{ border-color:rgb(143, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 169,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5657, 41.4356, 100.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 169, 255) }
```

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

```
.background{ background-color: rgb(143,  
169, 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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