

# Converting Colors

XYZ(44.6420, 45.8709, 96.1236)

Have a look what the booklet for  
XYZ(44.6420, 45.8709, 96.1236)  
contains.

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# Color

**XYZ(44.6420, 45.8709,  
96.1236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB6F9
RGB	140, 182, 249
RGB Percent	55%, 71%, 98%
CMY	0.4510, 0.2863, 0.0235
CMYK	0.44, 0.27, 0.00, 0.02
HSL	217°, 90%, 76%
HSV	217°, 44%, 98%
XYZ	44.6420, 45.8709, 96.1236
YIQ	177.0800, -46.5390, 11.9330

# Conversions

## Conversions Part 2

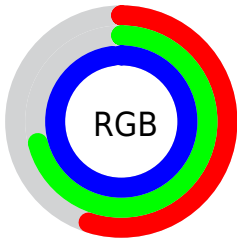
Format	Color
R <sub>Y</sub> B	140, 170, 249
Decimal	9221881
CIE Lab	73.46, 3.05, -37.62
CIE LCh	73, 37.740, 274.637
Yxy	45.8709, 0.2392, 0.2458
Android (android.graphics.Color)	4287411961 (0xFF8CB6F9)
YUV	177.0800, 35.4566, -32.5192
Hunter-Lab	67.7281, -0.8683, -36.7382

# Details

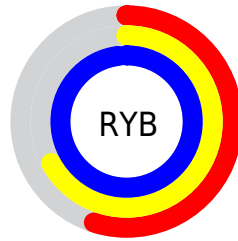
The XYZ color **44.6420, 45.8709, 96.1236** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1147, 66.6603, 34.1948**, and the grayscale version is **41.6705, 43.8406, 47.7424**.

A 20% lighter version of the original color is **71.6505, 80.2394, 106.3191**, and **20.9320, 21.3453, 52.8860** is the 20% darker color. If you saturate the color by 10%, you get **37.9464, 38.0182, 94.9616**, and if you desaturate by 10%, it is **52.6327, 54.9015, 97.4464**.

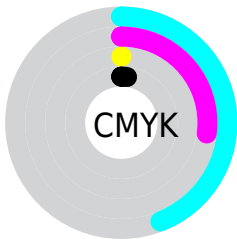
# Distribution



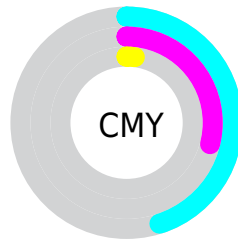
- Red (55%)
- Green (71%)
- Blue (98%)



- Red (55%)
- Yellow (67%)
- Blue (98%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)



- Cyan (45%)
- Magenta (29%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6420, 45.8709, 96.1236 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 44.6420, 45.8709, 96.1236 by changing the saturation by 10% instead.



■ 44.6420, 45.8709,  
96.1236

■ 44.6420, 45.8709,  
96.1236

356.1298,  
370.2894, 568.8318

■ 31.3756, 32.1440,  
72.4685

■ 81.4233, 84.0258,  
157.8249

■ 21.0383, 21.4715,  
53.0523

■ 105.6689,  
109.2225, 196.7081

■ 13.2646, 13.4691,  
37.4565

134.3050,  
139.0112, 241.5045

■ 7.6893, 7.7523,  
25.2626

167.6969,  
173.7764, 292.6325

■ 3.9469, 3.9369,  
16.0520

206.2100,  
213.9024, 350.5107

■ 1.6721, 1.6383,  
9.4062

250.2096,

■ 0.4387, 0.3832,

259.7736, 415.5576

4.9067

300.0611,  
311.7745, 488.1918

■ 0.0000, 0.0000,  
2.1348

■ 0.0000, 0.0000,  
0.6364

■ 44.6420, 45.8709,  
96.1236

■ 44.6420, 45.8709,  
96.1236

■ 37.9464, 38.0182,  
94.9616

■ 52.6327, 54.9015,  
97.4464

■ 32.4652, 31.2831,  
93.9505

■ 61.9828, 65.1563,  
98.9329

■ 28.1155, 25.6065,  
93.0841

■ 72.7581, 76.6847,  
100.5902

■ 24.8007, 20.9204,  
92.3543

■ 85.0183, 89.5320,  
102.4238

■ 22.4045, 17.1457,  
91.7520

■ 94.0990, 99.6196,  
103.8923

■ 21.2769, 15.1954,  
91.4350

# Harmonies

## Analogous

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



38.3421, 45.8709, 90.9379



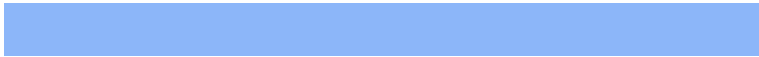
44.6420, 45.8709, 96.1236



51.2871, 45.8709, 86.5898

# Triad

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



44.6420, 45.8709, 96.1236



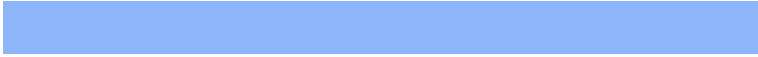
55.0023, 45.8709, 31.8715



33.0244, 45.8709, 35.8299

# Complementary

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



44.6420, 45.8709, 96.1236



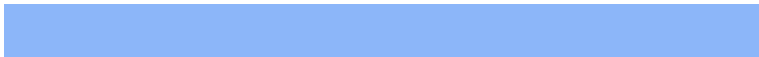
66.1147, 66.6603, 34.1948

# 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.



36.7202, 45.8709, 25.4464



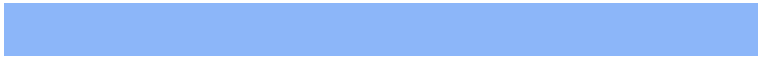
44.6420, 45.8709, 96.1236



49.3155, 45.8709, 23.6022

# Square

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



44.6420, 45.8709, 96.1236



57.6434, 45.8709, 47.0400



42.5722, 45.8709, 21.5911



32.0438, 45.8709, 52.9684



# Rectangle

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



44.6420, 45.8709, 96.1236



54.8937, 45.8709, 74.3103



42.5722, 45.8709, 21.5911



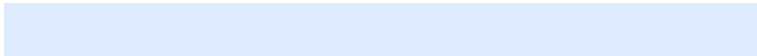
33.9705, 45.8709, 31.5903

# Sweetspot

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



44.6436, 45.8726, 96.1247



77.7289, 81.9271, 106.3245



55.7601, 77.7551, 70.0820



16.0651, 16.9298, 22.6710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

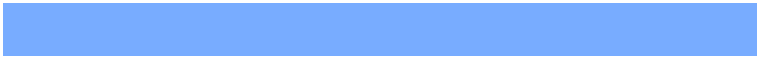


# Same Dimension

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



44.6436, 45.8726, 96.1247



40.5134, 40.6793, 100.3243



39.2225, 32.1672, 93.7650



16.8314, 17.7396, 21.9223



11.5163, 8.3882, 48.9857



1.1658, 0.9752, 4.5700



# Inverse Universe

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



56.8898, 42.2749, 49.4191



55.3777, 37.6326, 43.3376



73.9039, 87.8403, 37.8724



17.5214, 17.3359, 19.3355



22.1049, 11.2577, 7.2609

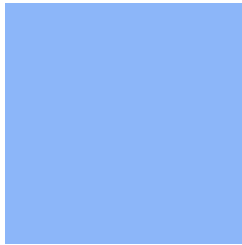


2.0974, 1.0627, 0.9361



# Previews

## White Background



This preview shows how the XYZ color 44.6420, 45.8709, 96.1236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

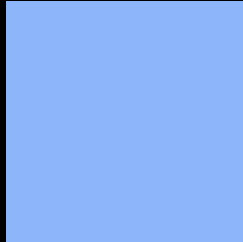
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6420, 45.8709, 96.1236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

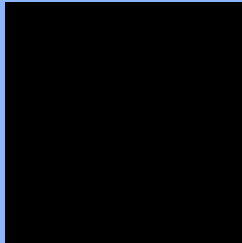
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

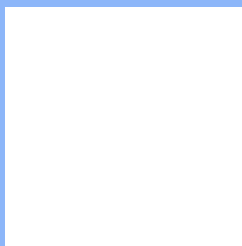
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.6420, 45.8709, 96.1236**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6420, 45.8709, 96.1236.



This preview shows how white text looks on a background with the XYZ color 44.6420, 45.8709,



# 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

44.6420, 45.8709, 96.1236

### Protanopia

46.7008, 45.5104, 92.7092

### Deuteranopia

47.0803, 45.9110, 96.8228



## Tritanopia

38.3350, 45.8239, 64.5820

# Trichromacy



## Original Color

44.6420, 45.8709, 96.1236

## Protanomaly

45.8915, 45.6663, 93.5845

## Deuteranomaly

46.1379, 45.7216, 96.8359

## Tritanomaly

40.3372, 45.6666, 75.0952

# Monochromacy



## Original Color

44.6420, 45.8709, 96.1236

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

42.2094, 44.4445, 62.8539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6420, 45.8709, 96.1236 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(140, 182, 249)` looks like.

```
.text, #text, p{  
    color:rgb(140, 182, 249)  
}
```

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(140, 182, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 182, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6420, 45.8709, 96.1236 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(140, 182, 249) }
```



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

```
.border{ border-color:rgb(140, 182, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 182, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 182, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 182, 249);  
box-shadow:4px 4px 4px 4px rgb(140, 182,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6420, 45.8709, 96.1236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 182, 249) }
```

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

```
.background{ background-color: rgb(140,  
182, 249) }
```

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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