

# Converting Colors

XYZ(36.0142, 43.9548, 86.5427)

Have a look what the booklet for  
XYZ(36.0142, 43.9548, 86.5427)  
contains.

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# Color

**XYZ(35.9379, 43.7748,  
86.6760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45BDED
RGB	69, 189, 237
RGB Percent	27%, 74%, 93%
CMY	0.7294, 0.2588, 0.0706
CMYK	0.71, 0.20, 0.00, 0.07
HSL	197°, 82%, 60%
HSV	197°, 71%, 93%
XYZ	35.9379, 43.7748, 86.6760
YIQ	158.5920, -86.9280, -10.5120

# Conversions

## Conversions Part 2

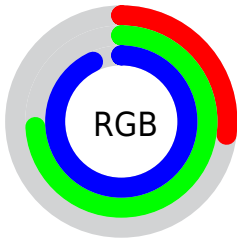
Format	Color
<a href="#">RYB</a>	<a href="#">69, 139, 237</a>
Decimal	<a href="#">4570605</a>
CIELab	<a href="#">72.08, -18.09, -33.50</a>
CIELCh	<a href="#">72, 38.072, 241.630</a>
Yxy	<a href="#">43.7748, 0.2160, 0.2631</a>
Android (android.graphics.Color)	<a href="#">4282760685 (0xFF45BDED)</a>
YUV	<a href="#">158.5920, 38.6551, -78.5722</a>
Hunter-Lab	<a href="#">66.1625, -18.8275, -31.3589</a>

# Details

The XYZ color **35.9379, 43.7748, 86.6760** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **42.3624, 31.1595, 9.4137**, and the grayscale version is **32.6283, 34.3275, 37.3827**.

A 20% lighter version of the original color is **60.8558, 77.7591, 106.4093**, and **17.1446, 20.9445, 46.8551** is the 20% darker color. If you saturate the color by 10%, you get **33.1574, 40.2300, 86.1392**, and if you desaturate by 10%, it is **39.4603, 47.8046, 87.2690**.

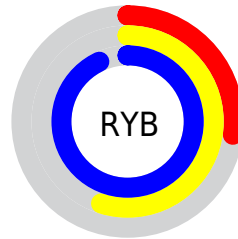
# Distribution



Red (27%)

Green (74%)

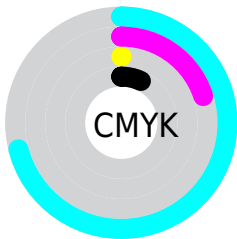
Blue (93%)



Red (27%)

Yellow (55%)

Blue (93%)

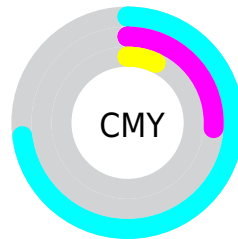


Cyan (71%)

Magenta (20%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (26%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9379, 43.7748, 86.6760 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 35.9379, 43.7748, 86.6760 by changing the saturation by 10% instead.




 35.9379, 43.7748,  
86.6760


 35.9379, 43.7748,  
86.6760


320.1250,  
361.7885, 537.4462


 24.5561, 30.4935,  
64.6690


 68.2607, 80.8788,  
144.6073


 15.8736, 20.2135,  
46.7431


 89.9324, 105.4702,  
181.3688

 9.5251, 12.5503,  
32.4797


 115.7649,  
134.6005, 223.8854

 5.1450, 7.1196,  
21.4603

 146.1234,  
168.6541, 272.5759

 2.3682, 3.5370,  
13.2664

181.3733,  
208.0152, 327.8586

 0.8292, 1.4181,  
7.4794

221.8799,

 0.0000, 0.2300,

253.0684, 390.1522

3.6807

268.0087,  
304.1981, 459.8752

■ 0.0000, 0.0000,  
1.4519

■ 0.0000, 0.0000,  
0.1817

■ 35.9379, 43.7748,  
86.6760

■ 35.9379, 43.7748,  
86.6760

■ 33.1574, 40.2300,  
86.1392

■ 39.4603, 47.8046,  
87.2690

■ 31.0281, 37.1196,  
85.6511


■ 43.7923, 52.3534,  
87.9187


■ 29.5271, 34.5963,  
85.2431


■ 48.9987, 57.4565,  
88.6293


■ 55.1360, 63.1444,  
89.4037

 62.2557, 69.4450,  
90.2446

 70.4056, 76.3840,  
91.1544

 79.6301, 83.9857,  
92.1355

 88.6295, 91.5810,  
93.1272

 90.6956, 95.7131,  
93.8159

# Harmonies

## Analogous

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



31.8330, 43.7748, 69.0436



35.9379, 43.7748, 86.6760



41.9638, 43.7748, 93.2272

# Triad

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



35.9379, 43.7748, 86.6760



55.4149, 43.7748, 46.6507



35.3814, 43.7748, 23.1923

# Complementary

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



35.9379, 43.7748, 86.6760



42.3624, 31.1595, 9.4137

# 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.



41.2515, 43.7748, 20.0595



35.9379, 43.7748, 86.6760



53.2003, 43.7748, 31.2267

# Square

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



35.9379, 43.7748, 86.6760



53.6209, 43.7748, 66.8066



47.8422, 43.7748, 22.5670



31.5360, 43.7748, 32.5783



# Rectangle

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



35.9379, 43.7748, 86.6760



46.3933, 43.7748, 89.3566



47.8422, 43.7748, 22.5670



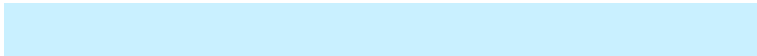
37.1611, 43.7748, 21.5023

# Sweetspot

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



35.9394, 43.7764, 86.6771



73.3302, 81.8433, 106.5402



35.9275, 63.1098, 26.9970



15.1727, 17.0614, 22.7434



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.



35.9394, 43.7764, 86.6771



37.9439, 45.8074, 101.4496



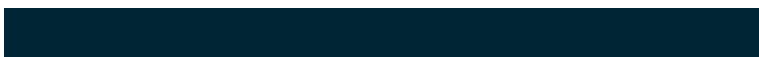
22.8346, 17.5668, 82.3088



15.1329, 16.3523, 19.2810



16.2381, 19.1231, 46.5783



1.3564, 1.6644, 3.6846



# Inverse Universe

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



46.2398, 25.9366, 50.7146



51.5745, 26.5156, 52.8924



56.7942, 60.0231, 14.2243



15.5207, 15.2361, 18.0270



23.0515, 11.4233, 21.8704

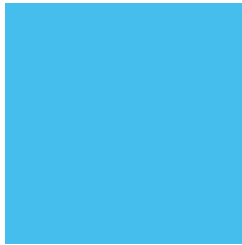


1.8512, 0.9134, 1.9336



# Previews

## White Background



This preview shows how the XYZ color 35.9379, 43.7748, 86.6760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

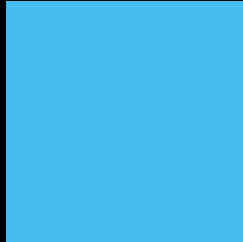
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.9379, 43.7748, 86.6760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

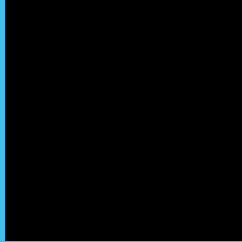
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

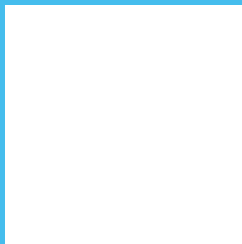
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.9379, 43.7748, 86.6760

## Background



This preview shows how black text looks on a background with the XYZ color 35.9379, 43.7748, 86.6760.



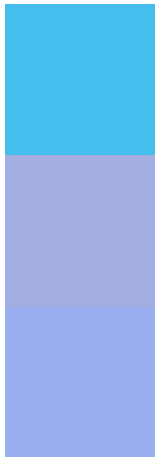
This preview shows how white text looks on a background with the XYZ color 35.9379, 43.7748,



# 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

35.9379, 43.7748, 86.6760

### Protanopia

43.4345, 43.0048, 77.2457

### Deuteranopia

44.3383, 43.2066, 89.2219



## Tritanopia

32.1913, 43.8897, 67.7477

# Trichromacy



**Original Color**

35.9379, 43.7748, 86.6760

**Protanomaly**

39.1650, 42.4865, 80.2652

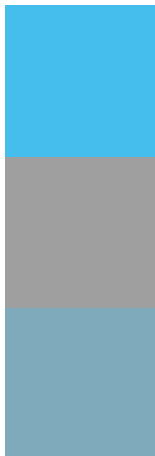
**Deuteranomaly**

40.1605, 42.8166, 88.5858

**Tritanomaly**

33.3988, 43.7073, 74.3862

# Monochromacy



**Original Color**

35.9379, 43.7748, 86.6760

**Achromatopsia**

32.9542, 34.6704, 37.7561

**Achromatomaly**

31.9486, 36.7729, 52.4277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9379, 43.7748, 86.6760 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(69, 189, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 189, 237)  
}
```

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(69, 189, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 189, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9379, 43.7748, 86.6760 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(69, 189, 237) }
```



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

```
.border{ border-color:rgb(69, 189, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 189, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 189, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 189, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 189,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9379, 43.7748, 86.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 189, 237) }
```

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

```
.background{ background-color: rgb(69, 189,  
237) }
```

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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