

# Converting Colors

XYZ(51.4837, 65.4336, 97.4384)

Have a look what the booklet for  
XYZ(51.4837, 65.4336, 97.4384)  
contains.

<b>XYZ(51.4398, 65.3739, 97.0960)</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(51.4398, 65.3739,  
97.0960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75E3F6
RGB	117, 227, 246
RGB Percent	46%, 89%, 96%
CMY	0.5412, 0.1098, 0.0353
CMYK	0.52, 0.08, 0.00, 0.04
HSL	189°, 88%, 71%
HSV	189°, 52%, 96%
XYZ	51.4398, 65.3739, 97.0960
YIQ	196.2760, -71.6590, -17.4110

# Conversions

## Conversions Part 2

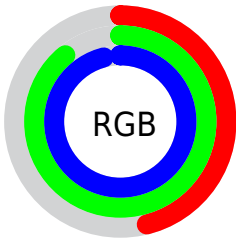
Format	Color
R <sub>Y</sub> B	117, 176, 246
Decimal	7726070
CIE Lab	84.68, -26.48, -18.93
CIE LCh	85, 32.551, 215.551
Yxy	65.3739, 0.2405, 0.3056
Android (android.graphics.Color)	4285916150 (0xFF75E3F6)
YUV	196.2760, 24.5139, -69.5251
Hunter-Lab	80.8541, -27.9321, -14.6022

# Details

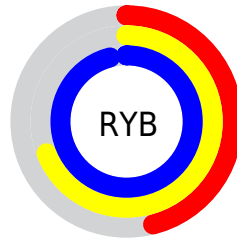
The XYZ color **51.4398, 65.3739, 97.0960** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50.0226, 38.4872, 21.6239**, and the grayscale version is **52.5252, 55.2606, 60.1788**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **25.1726, 33.5216, 53.8588** is the 20% darker color. If you saturate the color by 10%, you get **47.5786, 61.9291, 96.6358**, and if you desaturate by 10%, it is **56.1942, 69.3130, 97.6069**.

# Distribution



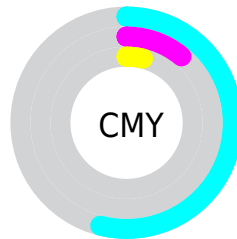
- Red (46%)
- Green (89%)
- Blue (96%)



- Red (46%)
- Yellow (69%)
- Blue (96%)



- Cyan (52%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)




- Cyan (54%)
- Magenta (11%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4398, 65.3739, 97.0960 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 51.4398, 65.3739, 97.0960 by changing the saturation by 10% instead.





 51.4398, 65.3739,  
97.0960


 51.4398, 65.3739,  
97.0960


382.6297,  
444.1344, 572.0084


 36.7812, 47.7643,  
73.2742


 91.4837, 112.5872,  
159.1775

 25.2110, 33.6403,  
53.7070


 117.5997,  
142.9598, 198.2744

 16.3639, 22.6174,  
37.9759


 148.2655,  
178.3555, 243.3000

 9.8745, 14.3113,  
25.6623

183.8465,  
219.1587, 294.6729

 5.3775, 8.3375,  
16.3477

224.7081,  
265.7537, 352.8117

 2.5074, 4.3116,  
9.6135

271.2156,

 0.8990, 1.8494,

318.5251, 418.1348

5.0412

323.7343,  
377.8572, 491.0609

■ 0.0000, 0.5177,  
2.2123

■ 0.0000, 0.0000,  
0.6815

■ 51.4398, 65.3739,  
97.0960

■ 51.4398, 65.3739,  
97.0960

■ 47.5786, 61.9291,  
96.6358

■ 56.1942, 69.3130,  
97.6069

■ 44.5348, 58.9351,  
96.2183


■ 61.8980, 73.7711,  
98.1668

■ 42.2300, 56.3526,  
95.8413


■ 68.6096, 78.7802,  
98.7799


■ 40.5673, 54.1315,  
95.5002


■ 76.3810, 84.3671,  
99.4487

 39.6249, 52.6342,  
95.2609

 85.2607, 90.5571,  
100.1755

 91.6706, 95.5057,  
100.7928

 92.7998, 97.7640,  
101.1692

 93.6348, 99.4339,  
101.4475

# Harmonies

## Analogous

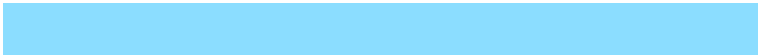
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2319, 65.3739, 75.1258



51.4398, 65.3739, 97.0960



56.5266, 65.3739, 114.2134

# Triad

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



51.4398, 65.3739, 97.0960



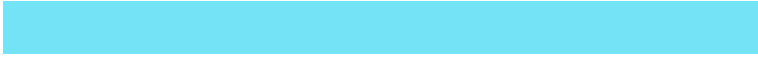
75.7539, 65.3739, 89.0746



60.7930, 65.3739, 38.2999

# Complementary

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



51.4398, 65.3739, 97.0960



50.0226, 38.4872, 21.6239

# 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.



68.1046, 65.3739, 40.5954



51.4398, 65.3739, 97.0960



77.1180, 65.3739, 67.3769

# Square

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



51.4398, 65.3739, 97.0960



70.6257, 65.3739, 108.9857



74.2206, 65.3739, 50.3437



54.3553, 65.3739, 43.3184

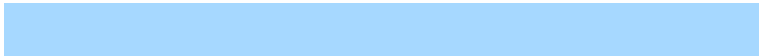


# Rectangle

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



51.4398, 65.3739, 97.0960



61.0577, 65.3739, 119.0358



74.2206, 65.3739, 50.3437



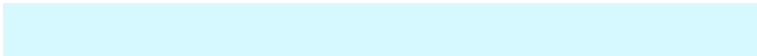
63.2268, 65.3739, 38.2554

# Sweetspot

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



51.4418, 65.3764, 97.0976



79.7129, 89.2921, 107.6415



44.6107, 71.4217, 34.0642



16.6877, 18.8436, 23.0076



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.



51.4418, 65.3764, 97.0976



51.3733, 66.9606, 104.8248



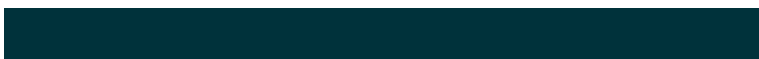
37.3018, 37.0964, 92.3842



16.7766, 18.3174, 21.1940



21.2314, 28.2566, 50.8731



1.9215, 2.5944, 4.4897



# Inverse Universe

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



58.2342, 37.8635, 76.9147



59.7458, 35.1166, 79.4826



61.5730, 61.5880, 25.4741



17.1026, 16.7239, 20.2866



26.5212, 12.9519, 33.7824

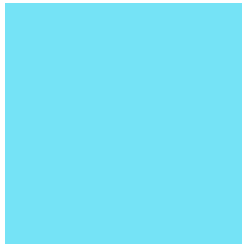


2.3589, 1.1495, 3.1166



# Previews

## White Background



This preview shows how the XYZ color 51.4398, 65.3739, 97.0960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

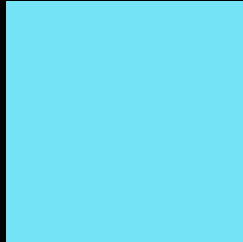
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4398, 65.3739, 97.0960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

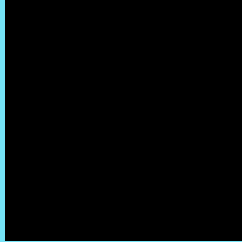
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

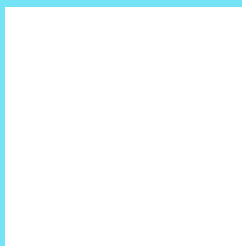
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.4398, 65.3739, 97.0960

## Background



This preview shows how black text looks on a background with the XYZ color 51.4398, 65.3739, 97.0960.



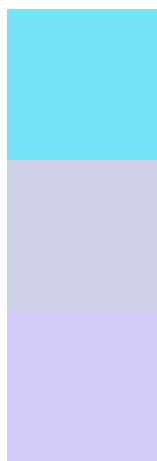
This preview shows how white text looks on a background with the XYZ color 51.4398, 65.3739,



# 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

51.4398, 65.3739, 97.0960

### Protanopia

63.3839, 64.8068, 87.0102

### Deuteranopia

66.1079, 64.4766, 100.2277



## Tritanopia

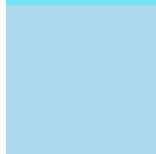
51.2866, 65.3127, 96.2897

# Trichromacy



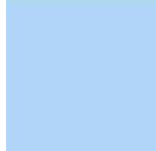
## Original Color

51.4398, 65.3739, 97.0960



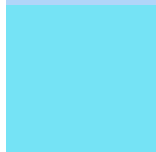
## Protanomaly

57.4440, 64.2835, 90.2692



## Deuteranomaly

59.0246, 63.7752, 98.8214



## Tritanomaly

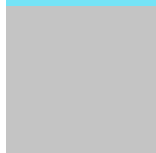
51.2866, 65.3127, 96.2897

# Monochromacy



## Original Color

51.4398, 65.3739, 97.0960



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

50.3868, 57.6962, 72.0991

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4398, 65.3739, 97.0960 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(117, 227, 246)` looks like.

```
.text, #text, p{  
    color:rgb(117, 227, 246)  
}
```

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(117, 227, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 227, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4398, 65.3739, 97.0960 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(117, 227, 246) }
```



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

```
.border{ border-color:rgb(117, 227, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 227, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 227, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 227, 246);  
box-shadow:4px 4px 4px 4px rgb(117, 227,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4398, 65.3739, 97.0960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 227, 246) }
```

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

```
.background{ background-color: rgb(117,  
227, 246) }
```

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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