

Converting Colors

XYZ(35.7769, 40.6471,
100.5678)

Have a look what the booklet for
XYZ(35.7769, 40.6471, 100.5678)
contains.

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Color

**XYZ(35.7365, 40.5663,
100.5543)**

Conversions

Conversions Part 1

Format	Color
Hex	33B4FF
RGB	51, 180, 255
RGB Percent	20%, 71%, 100%
CMY	0.7999, 0.2941, 0.0000
CMYK	0.80, 0.29, 0.00, 0.00
HSL	202°, 100%, 60%
HSV	202°, 80%, 100%
XYZ	35.7365, 40.5663, 100.5543
YIQ	149.9790, -100.9590, -4.0230

Conversions

Conversions Part 2

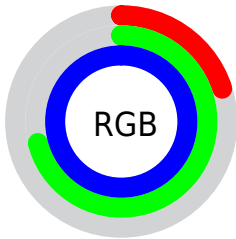
Format	Color
R _Y B	51, 130, 255
Decimal	3388671
CIE Lab	69.87, -9.25, -46.71
CIE LCh	70, 47.619, 258.793
Yxy	40.5663, 0.2021, 0.2294
Android (android.graphics.Color)	4281578751 (0xFF33B4FF)
YUV	149.9790, 51.7754, -86.8046
Hunter-Lab	63.6917, -11.3066, -49.0209

Details

The XYZ color **35.7365, 40.5663, 100.5543** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **49.3010, 36.4253, 7.5665**, and the grayscale version is **28.8014, 30.3013, 32.9982**.

A 20% lighter version of the original color is **56.9475, 71.8001, 105.4651**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **32.9562, 36.4182, 99.9002**, and if you desaturate by 10%, it is **39.3508, 45.3357, 101.2844**.

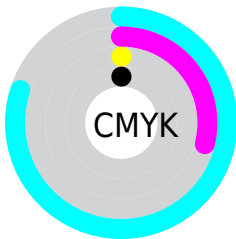
Distribution



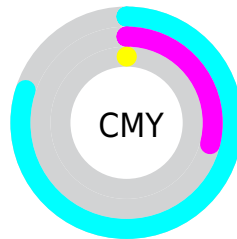
- Red (20%)
- Green (71%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7365, 40.5663, 100.5543 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 35.7365, 40.5663, 100.5543 by changing the saturation by 10% instead.

■ 35.7365, 40.5663,
100.5543

■ 35.7365, 40.5663,
100.5543

319.2587,
348.5047, 583.2302

■ 24.3999, 27.9804,
76.1441

■ 67.9517, 76.0251,
163.9772

■ 15.7569, 18.3109,
56.0433

■ 89.5610, 99.6667,
203.8270

■ 9.4420, 11.1734,
39.8334

■ 115.3253,
127.7624, 249.6604

■ 5.0900, 6.1836,
27.0959

■ 145.6100,
160.6964, 301.8959

■ 2.3355, 2.9570,
17.4122

180.7802,
198.8533, 360.9521

■ 0.8127, 1.1093,
10.3637

221.2016,

■ 0.0000, 0.0000,

242.6174, 427.2475

5.5320

267.2393,
292.3730, 501.2007

■ 0.0000, 0.0000,
2.4985

■ 0.0000, 0.0000,
0.8394

■ 35.7365, 40.5663,
100.5543

■ 35.7365, 40.5663,
100.5543

■ 32.9562, 36.4182,
99.9002

■ 39.3508, 45.3357,
101.2844

■ 30.8390, 32.7975,
99.3129

■ 43.8983, 50.7793,
102.0954

■ 30.8375, 32.7950,
99.3125

■ 49.4672, 56.9466,
102.9923

■ 56.1336, 63.8803,
103.9793

■ 63.9657, 71.6191,
105.0603

■ 73.0262, 80.1984,
106.2387

■ 83.3728, 89.6510,
107.5179

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



29.5608, 40.5663, 84.6189



35.7365, 40.5663, 100.5543



43.5526, 40.5663, 98.0497

Triad

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



35.7365, 40.5663, 100.5543



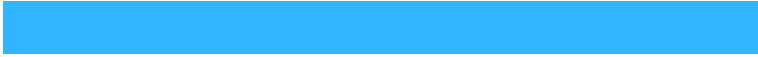
54.4308, 40.5663, 31.8133



28.4098, 40.5663, 21.6218

Complementary

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



35.7365, 40.5663, 100.5543



49.3010, 36.4253, 7.5665

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.



33.9589, 40.5663, 14.8607



35.7365, 40.5663, 100.5543



49.2151, 40.5663, 19.2385

Square

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



35.7365, 40.5663, 100.5543



55.0746, 40.5663, 52.9816



41.5222, 40.5663, 14.1658



25.7240, 40.5663, 36.3936

Rectangle

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



35.7365, 40.5663, 100.5543



48.6522, 40.5663, 86.4115



41.5222, 40.5663, 14.1658



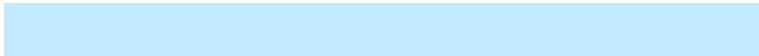
29.9649, 40.5663, 18.5830

Sweetspot

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



35.7378, 40.5676, 100.5545



69.2440, 76.6571, 105.7545



40.8800, 73.7258, 31.7511



14.1378, 15.7587, 22.5465



0.0000, 0.0000, 0.0000



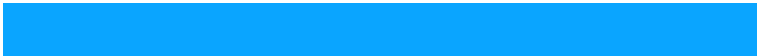
20.3446, 21.4041, 23.3091

Same Dimension

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



35.7378, 40.5676, 100.5545



31.6317, 34.1939, 99.5406



22.1560, 13.4039, 96.0272



17.9605, 19.2926, 23.0272



16.2607, 17.4310, 51.9421



1.6876, 1.9060, 5.0922

Inverse Universe

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



50.6631, 26.9247, 45.7078



48.1417, 24.1978, 37.7277



69.5271, 76.8774, 14.3085



18.4927, 18.1804, 21.2118



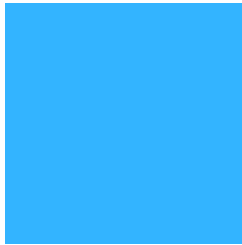
24.9959, 12.4876, 19.1605



2.4864, 1.2370, 2.1430

Previews

White Background



This preview shows how the XYZ color 35.7365, 40.5663, 100.5543 looks on a white background.

Color Contrast Check

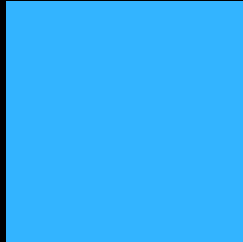
Large Text (above 18pt) WCAG AA × Fail

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 35.7365, 40.5663, 100.5543 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

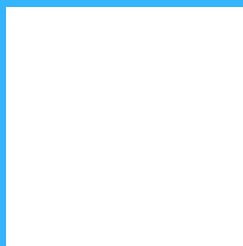
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7365, 40.5663, 100.5543

Background



This preview shows how black text looks on a background with the XYZ color 35.7365, 40.5663, 100.5543.

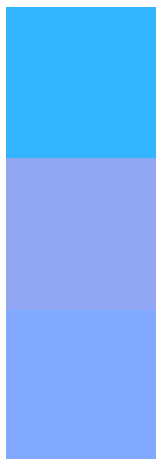


This preview shows how white text looks on a background with the XYZ color 35.7365, 40.5663,

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

35.7365, 40.5663, 100.5543

Protanopia

41.8249, 40.1888, 91.1408

Deuteranopia

41.2912, 40.2631, 100.2030



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

35.7365, 40.5663, 100.5543

Protanomaly

38.2513, 39.6619, 94.4464

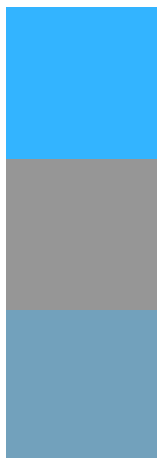
Deuteranomaly

38.3604, 39.8738, 100.2824

Tritanomaly

30.8023, 40.1103, 75.2258

Monochromacy



Original Color

35.7365, 40.5663, 100.5543

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7614, 32.6980, 52.3724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7365, 40.5663, 100.5543 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(51, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 180, 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(51, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.7365, 40.5663, 100.5543 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(51, 180, 255) }
```


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

```
.border{ border-color:rgb(51, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7365, 40.5663, 100.5543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 180, 255) }
```

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

```
.background{ background-color: rgb(51, 180,  
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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