

Converting Colors

XYZ(35.0369, 40.8328,
100.5275)

Have a look what the booklet for
XYZ(35.0369, 40.8328, 100.5275)
contains.

XYZ(35.0465, 40.8143, 100.6386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0465, 40.8143,
100.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	13B6FF
RGB	19, 182, 255
RGB Percent	7%, 71%, 100%
CMY	0.9253, 0.2863, 0.0000
CMYK	0.93, 0.29, 0.00, 0.00
HSL	199°, 100%, 54%
HSV	199°, 93%, 100%
XYZ	35.0465, 40.8143, 100.6386
YIQ	141.5850, -120.5810, -11.8530

Conversions

Conversions Part 2

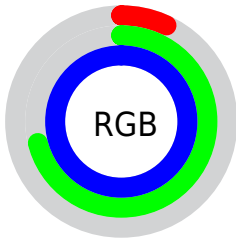
Format	Color
R _Y B	19, 115, 255
Decimal	1292031
CIE Lab	70.05, -12.35, -46.46
CIE LCh	70, 48.077, 255.121
Yxy	40.8143, 0.1986, 0.2312
Android (android.graphics.Color)	4279482111 (0xFF13B6FF)
YUV	141.5850, 55.9136, -107.5070
Hunter-Lab	63.8861, -13.8794, -48.6782

Details

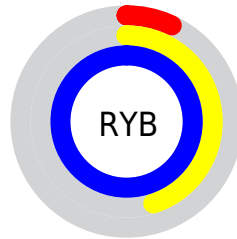
The XYZ color **35.0465, 40.8143, 100.6386** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.1892, 28.9697, 3.8283**, and the grayscale version is **25.3743, 26.6957, 29.0717**.

A 20% lighter version of the original color is **55.8270, 72.0821, 105.5786**, and **18.0433, 19.7777, 56.2926** is the 20% darker color. If you saturate the color by 10%, you get **33.5966, 38.3132, 100.2322**, and if you desaturate by 10%, it is **37.5023, 44.5474, 101.2297**.

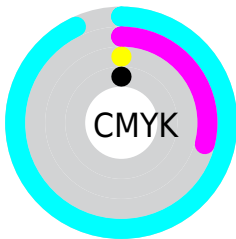
Distribution



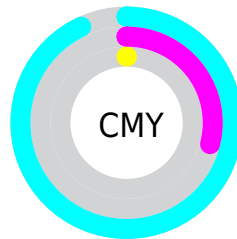
- Red (7%)
- Green (71%)
- Blue (100%)



- Red (7%)
- Yellow (45%)
- Blue (100%)



- Cyan (93%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (93%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0465, 40.8143, 100.6386 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 35.0465, 40.8143, 100.6386 by changing the saturation by 10% instead.


 35.0465, 40.8143,
100.6386


 35.0465, 40.8143,
100.6386

316.2780,
349.5439, 583.5023


 23.8654, 28.1740,
76.2141


 66.8913, 76.4019,
164.0940

 15.3580, 18.4569,
56.1004

 88.2858, 100.1180,
203.9620


 9.1590, 11.2785,
39.8789


 113.8154,
128.2949, 249.8149

 4.9030, 6.2545,
27.1311

 143.8454,
161.3169, 302.0713

 2.2246, 3.0004,
17.4384

 178.7414,
199.5683, 361.1497

 0.7557, 1.1320,
10.3823

218.8686,

 0.0000, 0.0051,

243.4338, 427.4687

5.5442

264.5923,
293.2975, 501.4467

■ 0.0000, 0.0000,
2.5057

■ 0.0000, 0.0000,
0.8432

■ 35.0465, 40.8143,
100.6386

■ 35.0465, 40.8143,
100.6386

■ 33.5966, 38.3132,
100.2322

■ 37.5023, 44.5474,
101.2297

■ 40.7232, 48.8116,
101.8830

■ 44.8183, 53.6660,
102.6041

■ 49.8770, 59.1584,
103.3977

■ 55.9767, 65.3310,
104.2676

■ 63.1866, 72.2214,
105.2176

■ 71.5697, 79.8639,
106.2509

■ 81.1838, 88.2903,
107.3706

■ 92.0830, 97.5302,
108.5797

Harmonies

Analogous

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



29.0920, 40.8143, 82.6222



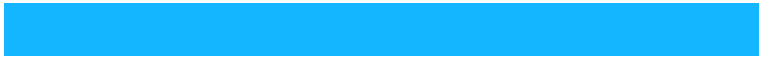
35.0465, 40.8143, 100.6386



42.8625, 40.8143, 100.5574

Triad

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



35.0465, 40.8143, 100.6386



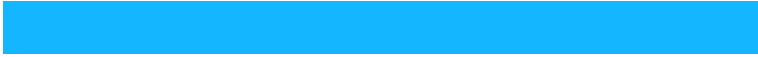
55.2546, 40.8143, 34.0957



29.0549, 40.8143, 20.3939

Complementary

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



35.0465, 40.8143, 100.6386



45.1892, 28.9697, 3.8283

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.



34.9892, 40.8143, 14.4190



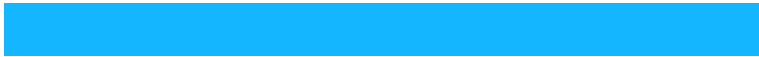
35.0465, 40.8143, 100.6386



50.4408, 40.8143, 20.3174

Square

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



35.0465, 40.8143, 100.6386



55.2755, 40.8143, 56.4829



42.7969, 40.8143, 14.3967



25.9632, 40.8143, 34.2432

Rectangle

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



35.0465, 40.8143, 100.6386



48.1349, 40.8143, 89.9732



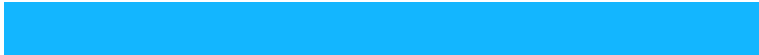
42.7969, 40.8143, 14.3967



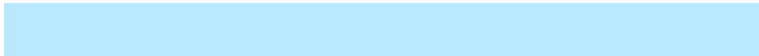
30.7451, 40.8143, 17.6407

Sweetspot

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



35.0478, 40.8156, 100.6387



66.8350, 75.5881, 105.6751



37.8679, 72.3943, 21.6136



13.5603, 15.4917, 22.5254



0.0000, 0.0000, 0.0000



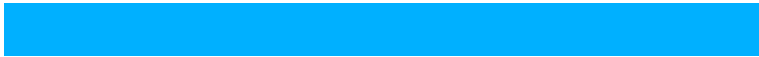
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0478, 40.8156, 100.6387



33.5966, 38.3132, 100.2322



20.2817, 11.2834, 95.7167



18.0529, 19.4774, 23.0580



17.6938, 20.2972, 52.4198



1.8200, 2.1707, 5.1363

Inverse Universe

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



49.9174, 25.1049, 46.4717



49.0872, 24.3989, 43.2528



63.8675, 66.3263, 10.0544



18.5393, 18.1991, 21.4573



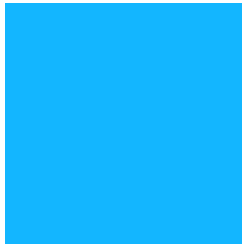
25.7192, 12.7770, 22.9696



2.5533, 1.2637, 2.4949

Previews

White Background



This preview shows how the XYZ color 35.0465, 40.8143, 100.6386 looks on a white background.

Color Contrast Check

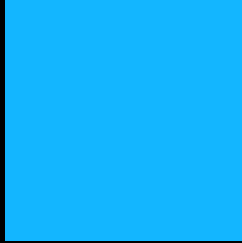
Large Text (above 18pt) WCAG AA × Fail

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 35.0465, 40.8143, 100.6386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

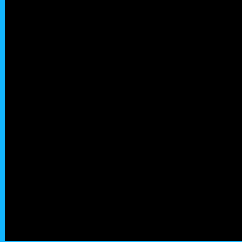
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

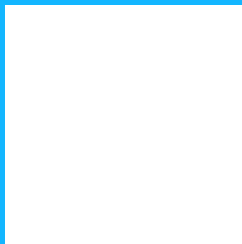
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0465, 40.8143, 100.6386

Background



This preview shows how black text looks on a background with the XYZ color 35.0465, 40.8143, 100.6386.

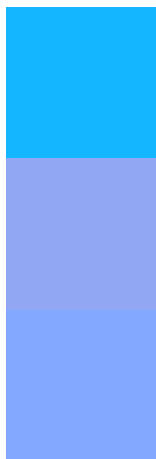


This preview shows how white text looks on a background with the XYZ color 35.0465, 40.8143,

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

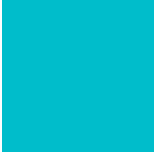
35.0465, 40.8143, 100.6386

Protanopia

41.8504, 40.2195, 90.3514

Deuteranopia

41.4439, 40.3418, 100.2102



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



Original Color

35.0465, 40.8143, 100.6386



Protanomaly

36.7966, 38.9298, 93.5705



Deuteranomaly

37.4025, 39.6658, 100.2927



Tritanomaly

30.8313, 40.4369, 75.2874

Monochromacy



Original Color

35.0465, 40.8143, 100.6386



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

25.5340, 30.0742, 49.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0465, 40.8143, 100.6386 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(19, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 182, 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(19, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.0465, 40.8143, 100.6386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

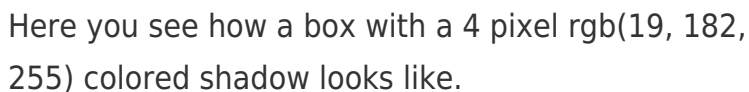
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 182, 255) }
```


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

```
.border{ border-color:rgb(19, 182, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 182, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 182, 255); box-shadow:4px 4px 4px 4px rgb(19, 182, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0465, 40.8143, 100.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 182, 255) }
```

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

```
.background{ background-color: rgb(19, 182,  
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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