

Converting Colors

XYZ(37.3396, 42.0458,
109.0721)

Have a look what the booklet for
XYZ(37.3396, 42.0458, 109.0721)
contains.

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Color

**XYZ(35.8202, 41.5183,
100.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	27B7FF
RGB	39, 183, 255
RGB Percent	15%, 72%, 100%
CMY	0.8470, 0.2823, 0.0000
CMYK	0.85, 0.28, 0.00, 0.00
HSL	200°, 100%, 58%
HSV	200°, 85%, 100%
XYZ	35.8202, 41.5183, 100.7337
YIQ	148.1520, -108.9360, -8.1360

Conversions

Conversions Part 2

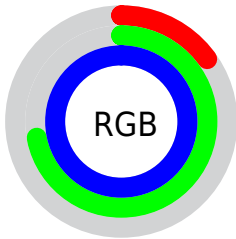
Format	Color
R _Y B	39, 125, 255
Decimal	2603007
CIE Lab	70.54, -11.85, -45.68
CIE LCh	71, 47.189, 255.461
Yxy	41.5183, 0.2012, 0.2332
Android (android.graphics.Color)	4280793087 (0xFF27B7FF)
YUV	148.1520, 52.6761, -95.7263
Hunter-Lab	64.4347, -13.5299, -47.5865

Details

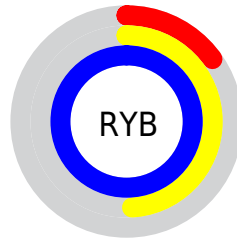
The XYZ color **35.8202, 41.5183, 100.7337** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.2936, 32.7806, 5.7563**, and the grayscale version is **28.0350, 29.4950, 32.1200**.

A 20% lighter version of the original color is **57.0849, 73.1640, 105.7211**, and **18.1757, 20.0425, 56.3367** is the 20% darker color. If you saturate the color by 10%, you get **33.4569, 37.7757, 100.1358**, and if you desaturate by 10%, it is **38.9393, 45.8089, 101.3974**.

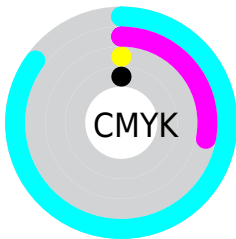
Distribution



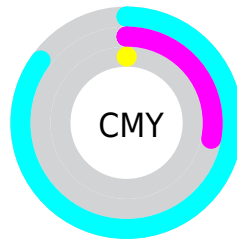
- Red (15%)
- Green (72%)
- Blue (100%)



- Red (15%)
- Yellow (49%)
- Blue (100%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8202, 41.5183, 100.7337 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 35.8202, 41.5183, 100.7337 by changing the saturation by 10% instead.

■ 35.8202, 41.5183,
100.7337

■ 35.8202, 41.5183,
100.7337

319.6190,
352.4822, 583.8092

■ 24.4648, 28.7243,
76.2931

■ 68.0801, 77.4701,
164.2257

■ 15.8054, 18.8724,
56.1648

■ 89.7154, 101.3966,
204.1143

■ 9.4765, 11.5781,
39.9302

■ 115.5081,
129.8028, 249.9893

■ 5.1129, 6.4571,
27.1707

■ 145.8234,
163.0730, 302.2692

■ 2.3491, 3.1250,
17.4679

■ 181.0268,
201.5917, 361.3726

■ 0.8196, 1.1973,
10.4032

221.4836,

■ 0.0000, 0.0595,

245.7432, 427.7180

5.5580

267.5592,
295.9119, 501.7241

■ 0.0000, 0.0000,
2.5138

■ 0.0000, 0.0000,
0.8475

■ 35.8202, 41.5183,
100.7337

■ 35.8202, 41.5183,
100.7337

■ 33.4569, 37.7757,
100.1358

■ 38.9393, 45.8089,
101.3974

■ 32.4233, 35.9666,
99.8411

■ 42.9240, 50.7051,
102.1325

■ 47.8685, 56.2586,
102.9438

■ 53.8530, 62.5132,
103.8357

■ 60.9484, 69.5082,
104.8118

■ 69.2193, 77.2792,
105.8759

■ 78.7250, 85.8590,
107.0309

■ 89.5206, 95.2786,
108.2801

■ 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.



29.8617, 41.5183, 83.1891



35.8202, 41.5183, 100.7337



43.5906, 41.5183, 100.4294

Triad

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



35.8202, 41.5183, 100.7337



55.7285, 41.5183, 34.7090



29.7204, 41.5183, 21.3018

Complementary

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



35.8202, 41.5183, 100.7337



47.2936, 32.7806, 5.7563

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.



35.6025, 41.5183, 15.1871



35.8202, 41.5183, 100.7337



50.9264, 41.5183, 21.0078

Square

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



35.8202, 41.5183, 100.7337



55.8070, 41.5183, 56.8519



43.3424, 41.5183, 15.1009



26.6674, 41.5183, 35.2708

Rectangle

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



35.8202, 41.5183, 100.7337



48.8040, 41.5183, 89.9160



43.3424, 41.5183, 15.1009



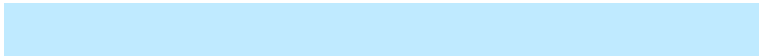
31.3952, 41.5183, 18.4968

Sweetspot

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



35.8216, 41.5196, 100.7338



68.9499, 77.0311, 105.8422



39.4678, 73.0999, 27.0733



14.1094, 15.8859, 22.5726



0.0000, 0.0000, 0.0000



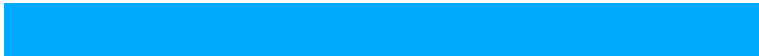
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8216, 41.5196, 100.7338



32.4233, 35.9666, 99.8411



21.4052, 12.6869, 95.9284



18.0148, 19.4012, 23.0453



17.0849, 19.0793, 52.2168



1.7641, 2.0588, 5.1177

Inverse Universe

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



50.5138, 26.1317, 47.1824



48.4950, 24.1620, 40.1342



66.9393, 72.0719, 12.3048



18.5201, 18.1914, 21.3561



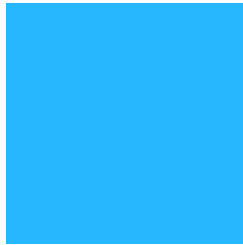
25.4119, 12.6540, 21.3511



2.5250, 1.2524, 2.3462

Previews

White Background



This preview shows how the XYZ color 35.8202, 41.5183, 100.7337 looks on a white background.

Color Contrast Check

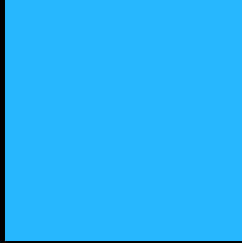
Large Text (above 18pt) WCAG AA × Fail

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 35.8202, 41.5183, 100.7337 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

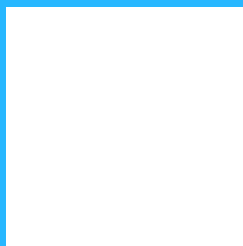
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8202, 41.5183, 100.7337

Background



This preview shows how black text looks on a background with the XYZ color 35.8202, 41.5183, 100.7337.

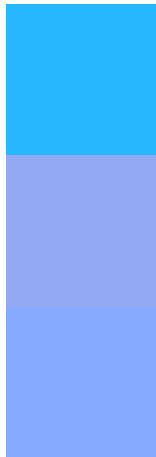


This preview shows how white text looks on a background with the XYZ color 35.8202, 41.5183,

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

35.8202, 41.5183, 100.7337

Protanopia

42.5784, 41.1429, 90.4913

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

35.8202, 41.5183, 100.7337

Protanomaly

38.1089, 40.1756, 93.7418

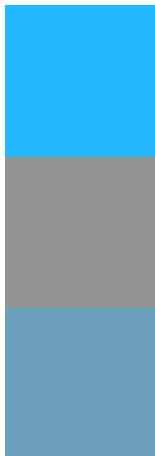
Deuteranomaly

38.5256, 40.5326, 100.4008

Tritanomaly

31.2707, 40.9617, 76.0703

Monochromacy



Original Color

35.8202, 41.5183, 100.7337

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.8989, 32.2657, 51.7712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8202, 41.5183, 100.7337 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(39, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 183, 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(39, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8202, 41.5183, 100.7337 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(39, 183, 255) }
```


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

```
.border{ border-color:rgb(39, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8202, 41.5183, 100.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 183, 255) }
```

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

```
.background{ background-color: rgb(39, 183,  
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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