

Converting Colors

XYZ(37.1158, 41.4201,
103.2275)

Have a look what the booklet for
XYZ(37.1158, 41.4201, 103.2275)
contains.

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Color

**XYZ(36.6882, 41.3577,
100.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	40B5FF
RGB	64, 181, 255
RGB Percent	25%, 71%, 100%
CMY	0.7490, 0.2902, 0.0000
CMYK	0.75, 0.29, 0.00, 0.00
HSL	203°, 100%, 63%
HSV	203°, 75%, 100%
XYZ	36.6882, 41.3577, 100.6569
YIQ	154.4530, -93.4860, -1.7900

Conversions

Conversions Part 2

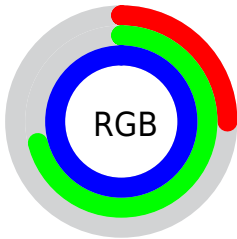
Format	Color
R _{YB}	64, 137, 255
Decimal	4240895
CIE _{Lab}	70.43, -8.47, -45.82
CIE _{LCh}	70, 46.597, 259.526
Yxy	41.3577, 0.2053, 0.2314
Android (android.graphics.Color)	4282430975 (0xFF40B5FF)
YUV	154.4530, 49.5697, -79.3273
Hunter-Lab	64.3100, -10.7099, -47.7828

Details

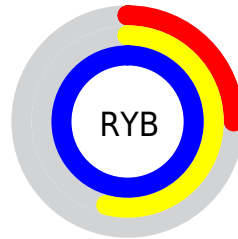
The XYZ color **36.6882, 41.3577, 100.6569** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **51.2561, 39.8108, 9.8354**, and the grayscale version is **30.7347, 32.3353, 35.2131**.

A 20% lighter version of the original color is **58.3259, 72.9393, 105.6123**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.4544, 36.8138, 99.9503**, and if you desaturate by 10%, it is **40.8244, 46.5796, 101.4468**.

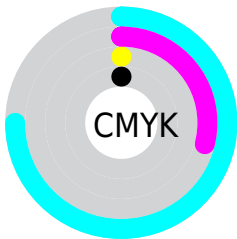
Distribution



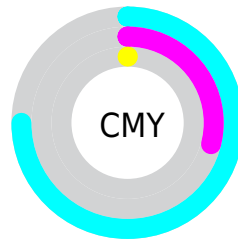
- Red (25%)
- Green (71%)
- Blue (100%)



- Red (25%)
- Yellow (54%)
- Blue (100%)



- Cyan (75%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6882, 41.3577, 100.6569 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 36.6882, 41.3577, 100.6569 by changing the saturation by 10% instead.

■ 36.6882, 41.3577,
100.6569

■ 36.6882, 41.3577,
100.6569

323.3376,
351.8134, 583.5614

■ 25.1387, 28.5987,
76.2293

■ 69.4099, 77.2266,
164.1194

■ 16.3097, 18.7774,
56.1128

■ 91.3129, 101.1053,
203.9913

■ 9.8358, 11.5096,
39.8888

■ 117.3977,
129.4593, 249.8485

■ 5.3517, 6.4107,
27.1387

■ 148.0298,
162.6731, 302.1094

■ 2.4919, 3.0964,
17.4441

183.5745,
201.1310, 361.1926

■ 0.8912, 1.1823,
10.3863

224.3971,

■ 0.0000, 0.0471,

245.2174, 427.5166

5.5469

270.8631,
295.3167, 501.5001

■ 0.0000, 0.0000,
2.5073

■ 0.0000, 0.0000,
0.8440

■ 36.6882, 41.3577,
100.6569

■ 36.6882, 41.3577,
100.6569

■ 33.4544, 36.8138,
99.9503

■ 40.8244, 46.5796,
101.4468

■ 31.0034, 32.8800,
99.3202

■ 45.9533, 52.5283,
102.3247

■ 29.9720, 31.0639,
99.0240

■ 52.1575, 59.2511,
103.2954

■ 59.5093, 66.7895,
104.3629

■ 68.0743, 75.1809,
105.5312

■ 77.9128, 84.4604,
106.8038

■ 89.0808, 94.6605,
108.1840

■ 95.0500, 100.0000,
108.9000

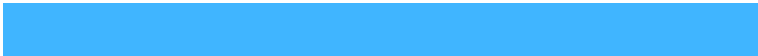
Harmonies

Analogous

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



30.4907, 41.3577, 85.4187



36.6882, 41.3577, 100.6569



44.4485, 41.3577, 97.7355

Triad

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



36.6882, 41.3577, 100.6569



54.9153, 41.3577, 32.3359



29.1220, 41.3577, 22.7992

Complementary

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



36.6882, 41.3577, 100.6569



51.2561, 39.8108, 9.8354

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.



34.5822, 41.3577, 15.7974



36.6882, 41.3577, 100.6569



49.6826, 41.3577, 19.9336

Square

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



36.6882, 41.3577, 100.6569



55.6718, 41.3577, 53.1562



42.0523, 41.3577, 14.9545



26.5150, 41.3577, 37.7800

Rectangle

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



36.6882, 41.3577, 100.6569



49.4644, 41.3577, 86.1090



42.0523, 41.3577, 14.9545



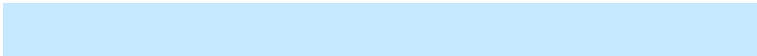
30.6488, 41.3577, 19.6738

Sweetspot

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



36.6896, 41.3590, 100.6571



70.7903, 77.7758, 105.8889



42.4068, 74.4231, 35.8818



14.6071, 16.1267, 22.5928



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.



36.6896, 41.3590, 100.6571



32.1140, 34.7344, 99.6196



23.5167, 15.0134, 96.2661



17.9293, 19.2303, 23.0168



15.8103, 16.5301, 51.7919



1.6455, 1.8216, 5.0782

Inverse Universe

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



51.4149, 28.2647, 46.4629



48.4887, 24.7329, 38.3330



71.2251, 79.7488, 16.4917



18.4770, 18.1741, 21.1289



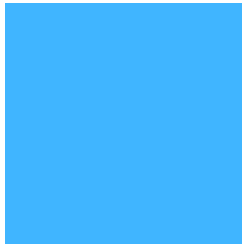
24.7685, 12.3967, 17.9631



2.4652, 1.2284, 2.0310

Previews

White Background



This preview shows how the XYZ color 36.6882, 41.3577, 100.6569 looks on a white background.

Color Contrast Check

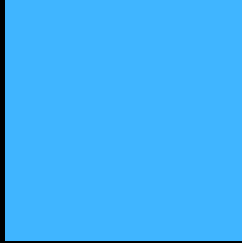
Large Text (above 18pt) WCAG AA × Fail

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 36.6882, 41.3577, 100.6569 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

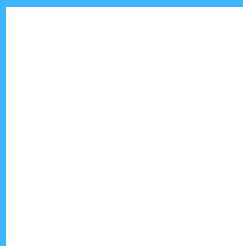
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6882, 41.3577, 100.6569

Background



This preview shows how black text looks on a background with the XYZ color 36.6882, 41.3577, 100.6569.



This preview shows how white text looks on a background with the XYZ color 36.6882, 41.3577,

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

36.6882, 41.3577, 100.6569

Protanopia

42.5167, 40.8009, 92.0207

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

36.6882, 41.3577, 100.6569

Protanomaly

39.3786, 40.5086, 95.3660

Deuteranomaly

39.2495, 40.6179, 100.3791

Tritanomaly

31.4430, 41.0505, 76.0784

Monochromacy



Original Color

36.6882, 41.3577, 100.6569

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.5646, 34.3775, 54.3148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6882, 41.3577, 100.6569 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(64, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 181, 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(64, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.6882, 41.3577, 100.6569 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(64, 181, 255) }
```


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

```
.border{ border-color:rgb(64, 181, 255) }
```

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

Here you see how a box with a 4 pixel rgb(64, 181, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6882, 41.3577, 100.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 181, 255) }
```

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

```
.background{ background-color: rgb(64, 181,  
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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