

Converting Colors

XYZ(37.3460, 41.3283,
100.6166)

Have a look what the booklet for
XYZ(37.3460, 41.3283, 100.6166)
contains.

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Color

**XYZ(37.4318, 41.4403,
100.6337)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB4FF
RGB	77, 180, 255
RGB Percent	30%, 71%, 100%
CMY	0.6980, 0.2941, 0.0000
CMYK	0.70, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 70%, 100%
XYZ	37.4318, 41.4403, 100.6337
YIQ	157.7530, -85.4630, 1.4890

Conversions

Conversions Part 2

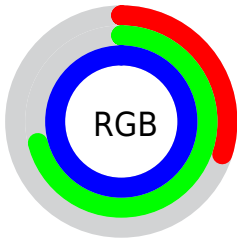
Format	Color
R_{YB}	77, 142, 255
Decimal	5092607
CIE _{Lab}	70.48, -6.28, -45.71
CIE _{LCh}	70, 46.136, 262.182
Yxy	41.4403, 0.2085, 0.2309
Android (android.graphics.Color)	4283282687 (0xFF4DB4FF)
YUV	157.7530, 47.9428, -70.8204
Hunter-Lab	64.3741, -8.8619, -47.6240

Details

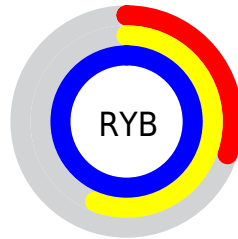
The XYZ color **37.4318, 41.4403, 100.6337** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **53.8096, 44.2553, 12.7293**, and the grayscale version is **32.2071, 33.8844, 36.9001**.

A 20% lighter version of the original color is **59.5471, 73.1402, 105.5868**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.6770, 36.4090, 99.8604**, and if you desaturate by 10%, it is **42.1632, 47.2260, 101.5010**.

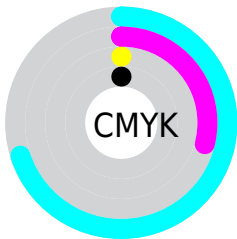
Distribution



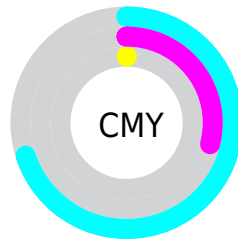
- Red (30%)
- Green (71%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4318, 41.4403, 100.6337 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 37.4318, 41.4403, 100.6337 by changing the saturation by 10% instead.

■ 37.4318, 41.4403,
100.6337

■ 37.4318, 41.4403,
100.6337

326.4994,
352.1575, 583.4865

■ 25.7172, 28.6633,
76.2100

■ 70.5459, 77.3518,
164.0872

■ 16.7438, 18.8263,
56.0971

■ 92.6762, 101.2551,
203.9542

■ 10.1461, 11.5448,
39.8762

■ 119.0090,
129.6360, 249.8060

■ 5.5590, 6.4345,
27.1290

■ 149.9098,
162.8788, 302.0611

■ 2.6169, 3.1111,
17.4368

185.7438,
201.3680, 361.1382

■ 0.9546, 1.1900,
10.3812

226.8765,

■ 0.0000, 0.0535,

245.4879, 427.4558

5.5435

273.6733,
295.6229, 501.4324

■ 0.0000, 0.0000,
2.5053

■ 0.0000, 0.0000,
0.8430

■ 37.4318, 41.4403,
100.6337

■ 37.4318, 41.4403,
100.6337

■ 33.6770, 36.4090,
99.8604

■ 42.1632, 47.2260,
101.5010

■ 30.7908, 32.0688,
99.1748

■ 47.9552, 53.8129,
102.4672

■ 28.6099, 28.3304,
98.5681

■ 54.8861, 61.2474,
103.5369

■ 28.5699, 28.2598,
98.5566

■ 63.0256, 69.5703,
104.7143

■ 72.4370, 78.8193,
106.0036

■ 83.1791, 89.0297,
107.4082

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.



31.0841, 41.4403, 86.9531



37.4318, 41.4403, 100.6337



45.1712, 41.4403, 96.0773

Triad

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



37.4318, 41.4403, 100.6337



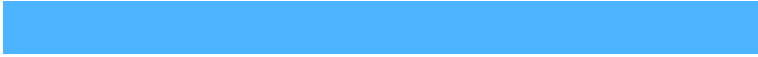
54.5409, 41.4403, 31.0838



28.9278, 41.4403, 24.0047

Complementary

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



37.4318, 41.4403, 100.6337



53.8096, 44.2553, 12.7293

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.



34.1203, 41.4403, 16.3889



37.4318, 41.4403, 100.6337



49.0524, 41.4403, 19.4636

Square

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



37.4318, 41.4403, 100.6337



55.7252, 41.4403, 51.0617



41.4107, 41.4403, 15.0474



26.6033, 41.4403, 39.6608

Rectangle

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



37.4318, 41.4403, 100.6337



50.0465, 41.4403, 83.8168



41.4107, 41.4403, 15.0474



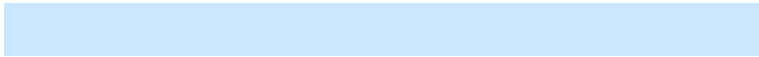
30.3612, 41.4403, 20.6576

Sweetspot

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



37.4332, 41.4416, 100.6338



71.2381, 77.6590, 105.8428



44.4214, 75.3382, 41.5524



14.6731, 16.0621, 22.5769



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.



37.4332, 41.4416, 100.6338



32.3655, 34.5054, 99.5621



24.9250, 16.4254, 96.4645



17.8761, 19.1237, 22.9990



15.0794, 15.0684, 51.5483



1.5764, 1.6835, 5.0551

Inverse Universe

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



52.1331, 29.8647, 46.1979



48.7943, 25.5394, 37.8332



73.7894, 84.2149, 19.3892



18.4501, 18.1633, 20.9873



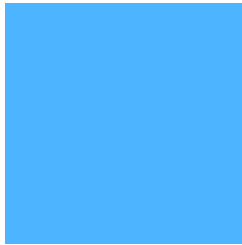
24.3996, 12.2491, 16.0206



2.4303, 1.2145, 1.8474

Previews

White Background



This preview shows how the XYZ color 37.4318, 41.4403, 100.6337 looks on a white background.

Color Contrast Check

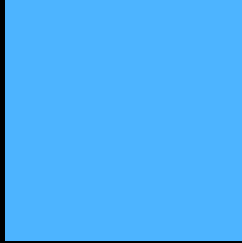
Large Text (above 18pt) WCAG AA × Fail

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 37.4318, 41.4403, 100.6337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

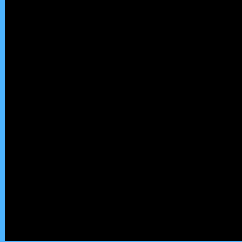
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

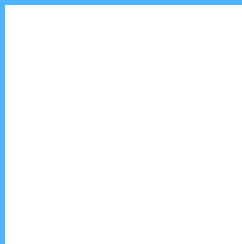
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4318, 41.4403, 100.6337

Background



This preview shows how black text looks on a background with the XYZ color 37.4318, 41.4403, 100.6337.

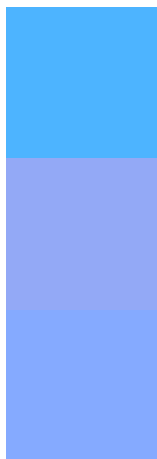


This preview shows how white text looks on a background with the XYZ color 37.4318, 41.4403,

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

37.4318, 41.4403, 100.6337

Protanopia

42.8551, 41.2328, 92.8888

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

30.2696, 41.6660, 64.2046

Trichromacy



Original Color

37.4318, 41.4403, 100.6337

Protanomaly

40.0685, 40.8643, 95.3983

Deuteranomaly

39.9961, 41.0028, 100.4141

Tritanomaly

32.3464, 41.2024, 76.0601

Monochromacy



Original Color

37.4318, 41.4403, 100.6337

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3151, 35.7898, 55.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4318, 41.4403, 100.6337 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(77, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4318, 41.4403, 100.6337 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(77, 180, 255) }
```


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

```
.border{ border-color:rgb(77, 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(77, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4318, 41.4403, 100.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 180, 255) }
```

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

```
.background{ background-color: rgb(77, 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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