

Converting Colors

XYZ(48.5773, 46.3200,
160.5658)

Have a look what the booklet for
XYZ(48.5773, 46.3200, 160.5658)
contains.

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Color

**XYZ(37.0997, 41.5698,
100.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	46B5FF
RGB	70, 181, 255
RGB Percent	27%, 71%, 100%
CMY	0.7254, 0.2902, 0.0000
CMYK	0.73, 0.29, 0.00, 0.00
HSL	204°, 100%, 64%
HSV	204°, 73%, 100%
XYZ	37.0997, 41.5698, 100.6762
YIQ	156.2470, -89.9100, -0.5180

Conversions

Conversions Part 2

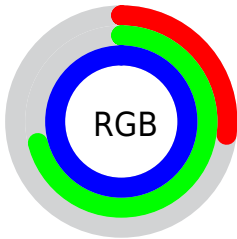
Format	Color
R _Y B	70, 139, 255
Decimal	4634111
CIE Lab	70.57, -7.75, -45.58
CIE LCh	71, 46.233, 260.349
Yxy	41.5698, 0.2069, 0.2318
Android (android.graphics.Color)	4282824191 (0xFF46B5FF)
YUV	156.2470, 48.6852, -75.6386
Hunter-Lab	64.4746, -10.1190, -47.4482

Details

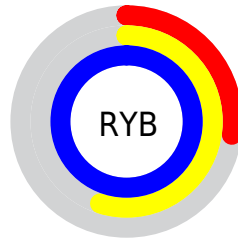
The XYZ color **37.0997, 41.5698, 100.6762** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **52.3210, 41.6525, 11.0788**, and the grayscale version is **31.5306, 33.1726, 36.1250**.

A 20% lighter version of the original color is **58.9816, 73.2773, 105.6430**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.6363, 36.8178, 99.9415**, and if you desaturate by 10%, it is **41.4979, 47.0305, 101.4984**.

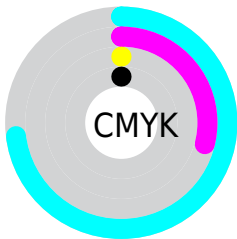
Distribution



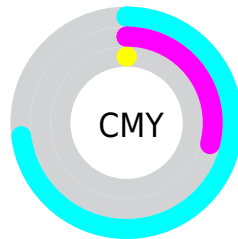
- Red (27%)
- Green (71%)
- Blue (100%)



- Red (27%)
- Yellow (55%)
- Blue (100%)



- Cyan (73%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0997, 41.5698, 100.6762 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 37.0997, 41.5698, 100.6762 by changing the saturation by 10% instead.

■ 37.0997, 41.5698,
100.6762

■ 37.0997, 41.5698,
100.6762

325.0900,
352.6965, 583.6236

■ 25.4587, 28.7646,
76.2454

■ 70.0389, 77.5481,
164.1461

■ 16.5497, 18.9028,
56.1259

■ 92.0679, 101.4900,
204.0222

■ 10.0073, 11.6001,
39.8992

■ 118.2902,
129.9129, 249.8839

■ 5.4661, 6.4720,
27.1467

■ 149.0713,
163.2012, 302.1496

■ 2.5608, 3.1341,
17.4501

184.7765,
201.7394, 361.2379

■ 0.9260, 1.2022,
10.3905

225.7711,

■ 0.0000, 0.0635,

245.9117, 427.5673

5.5497

272.4205,
296.1026, 501.5564

■ 0.0000, 0.0000,
2.5089

■ 0.0000, 0.0000,
0.8449

■ 37.0997, 41.5698,
100.6762

■ 37.0997, 41.5698,
100.6762

■ 33.6363, 36.8178,
99.9415

■ 41.4979, 47.0305,
101.4984

■ 30.9941, 32.7091,
99.2877

■ 46.9178, 53.2474,
102.4127

■ 29.4404, 30.0008,
98.8468

■ 53.4401, 60.2671,
103.4239

■ 61.1355, 68.1307,
104.5361

■ 70.0686, 76.8755,
105.7532

■ 80.2989, 86.5365,
107.0788

■ 91.8817, 97.1463,
108.5162

■ 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.



30.8611, 41.5698, 85.9826



37.0997, 41.5698, 100.6762



44.8409, 41.5698, 97.2571

Triad

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



37.0997, 41.5698, 100.6762



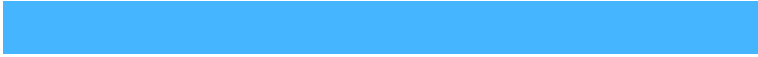
54.9415, 41.5698, 32.1555



29.2479, 41.5698, 23.3794

Complementary

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



37.0997, 41.5698, 100.6762



52.3210, 41.6525, 11.0788

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.



34.6208, 41.5698, 16.1719



37.0997, 41.5698, 100.6762



49.6423, 41.5698, 19.9882

Square

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



37.0997, 41.5698, 100.6762



55.8292, 41.5698, 52.6857



42.0243, 41.5698, 15.1712



26.7293, 41.5698, 38.5714

Rectangle

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



37.0997, 41.5698, 100.6762



49.8022, 41.5698, 85.4779



42.0243, 41.5698, 15.1712



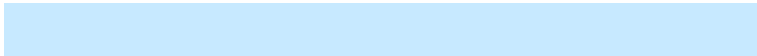
30.7449, 41.5698, 20.1800

Sweetspot

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



37.1011, 41.5711, 100.6763



70.5909, 77.3768, 105.8224



43.3215, 74.8365, 38.5505



14.5599, 16.0323, 22.5771



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.



37.1011, 41.5711, 100.6763



32.3647, 34.9113, 99.6405



24.1087, 15.5865, 96.3456



17.9096, 19.1907, 23.0102



15.5333, 15.9763, 51.6996



1.6194, 1.7695, 5.0695

Inverse Universe

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



51.7717, 28.9783, 46.5818



48.6944, 25.1186, 38.4814



72.4859, 81.9824, 17.8004



18.4670, 18.1701, 21.0764



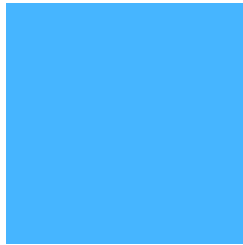
24.6287, 12.3408, 17.2271



2.4520, 1.2232, 1.9617

Previews

White Background



This preview shows how the XYZ color 37.0997, 41.5698, 100.6762 looks on a white background.

Color Contrast Check

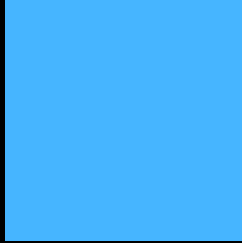
Large Text (above 18pt) WCAG AA × Fail

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 37.0997, 41.5698, 100.6762 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

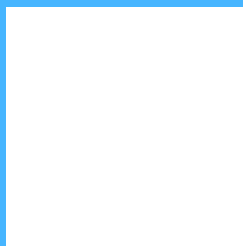
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0997, 41.5698, 100.6762

Background



This preview shows how black text looks on a background with the XYZ color 37.0997, 41.5698, 100.6762.

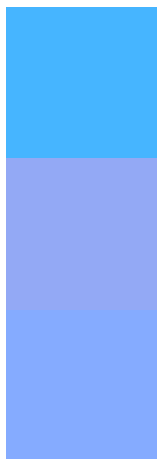


This preview shows how white text looks on a background with the XYZ color 37.0997, 41.5698,

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

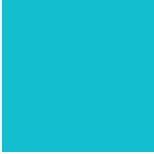
37.0997, 41.5698, 100.6762

Protanopia

42.7020, 41.1716, 92.0825

Deuteranopia

42.2858, 41.3324, 100.3570



Tritanopia

29.8226, 41.4216, 64.8159

Trichromacy



Original Color

37.0997, 41.5698, 100.6762

Protanomaly

39.6502, 40.6486, 95.3787

Deuteranomaly

39.8104, 41.1949, 100.4609

Tritanomaly

32.0242, 41.3345, 76.8115

Monochromacy



Original Color

37.0997, 41.5698, 100.6762

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4270, 35.0760, 54.9831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0997, 41.5698, 100.6762 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(70, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.0997, 41.5698, 100.6762 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(70, 181, 255) }
```


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

```
.border{ border-color:rgb(70, 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(70, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0997, 41.5698, 100.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 181, 255) }
```

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

```
.background{ background-color: rgb(70, 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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