

Converting Colors

XYZ(37.3144, 41.8476,
100.7185)

Have a look what the booklet for
XYZ(37.3144, 41.8476, 100.7185)
contains.

XYZ(37.3765, 42.0155, 100.7476)	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(37.3765, 42.0155,
100.7476)**

Conversions

Conversions Part 1

Format	Color
Hex	47B6FF
RGB	71, 182, 255
RGB Percent	28%, 71%, 100%
CMY	0.7215, 0.2863, 0.0000
CMYK	0.72, 0.29, 0.00, 0.00
HSL	204°, 100%, 64%
HSV	204°, 72%, 100%
XYZ	37.3765, 42.0155, 100.7476
YIQ	157.1330, -89.5890, -0.8290

Conversions

Conversions Part 2

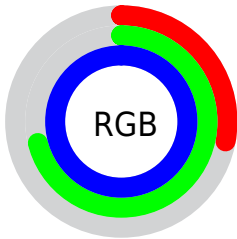
Format	Color
R _Y B	71, 140, 255
Decimal	4699903
CIE Lab	70.88, -8.17, -45.09
CIE LCh	71, 45.828, 259.727
Yxy	42.0155, 0.2075, 0.2332
Android (android.graphics.Color)	4282889983 (0xFF47B6FF)
YUV	157.1330, 48.2484, -75.5386
Hunter-Lab	64.8194, -10.5062, -46.7799

Details

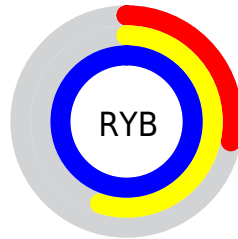
The XYZ color **37.3765, 42.0155, 100.7476** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **52.3526, 41.6649, 11.2463**, and the grayscale version is **31.9284, 33.5912, 36.5808**.

A 20% lighter version of the original color is **59.4398, 73.9445, 105.7477**, and **18.0433, 19.7777, 56.2926** is the 20% darker color. If you saturate the color by 10%, you get **33.8855, 37.2508, 100.0119**, and if you desaturate by 10%, it is **41.8039, 47.4864, 101.5702**.

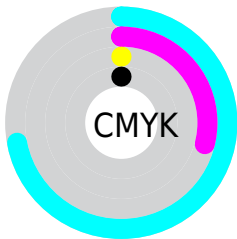
Distribution



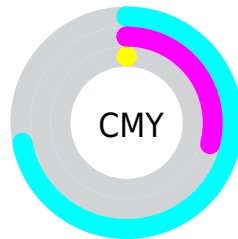
- Red (28%)
- Green (71%)
- Blue (100%)



- Red (28%)
- Yellow (55%)
- Blue (100%)



- Cyan (72%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3765, 42.0155, 100.7476 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 37.3765, 42.0155, 100.7476 by changing the saturation by 10% instead.

■ 37.3765, 42.0155,
100.7476

■ 37.3765, 42.0155,
100.7476

326.2650,
354.5472, 583.8540

■ 25.6741, 29.1134,
76.3047

■ 70.4615, 78.2231,
164.2450

■ 16.7114, 19.1666,
56.1742

■ 92.5749, 102.2974,
204.1366

■ 10.1230, 11.7908,
39.9377

■ 118.8894,
130.8646, 250.0148

■ 5.5435, 6.6014,
27.1766

■ 149.7703,
164.3090, 302.2981

■ 2.6075, 3.2141,
17.4723

185.5829,
203.0151, 361.4052

■ 0.9498, 1.2445,
10.4063

226.6927,

■ 0.0000, 0.0976,

247.3672, 427.7545

5.5600

273.4649,
297.7498, 501.7646

■ 0.0000, 0.0000,
2.5150

■ 0.0000, 0.0000,
0.8481

■ 37.3765, 42.0155,
100.7476

■ 37.3765, 42.0155,
100.7476

■ 33.8855, 37.2508,
100.0119

■ 41.8039, 47.4864,
101.5702

■ 31.2182, 33.1277,
99.3567

■ 47.2540, 53.7107,
102.4844

■ 29.5771, 30.2743,
98.8924

■ 53.8069, 60.7347,
103.4948

■ 61.5331, 68.5989,
104.6055

■ 70.4967, 77.3407,
105.8204

■ 80.7571, 86.9945,
107.1430

■ 92.3694, 97.5930,
108.5767

■ 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.



31.1871, 42.0155, 85.8430



37.3765, 42.0155, 100.7476



45.0903, 42.0155, 97.7462

Triad

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



37.3765, 42.0155, 100.7476



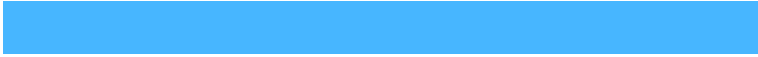
55.3858, 42.0155, 32.9884



29.7605, 42.0155, 23.6195

Complementary

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



37.3765, 42.0155, 100.7476



52.3526, 41.6649, 11.2463

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.



35.1874, 42.0155, 16.5136



37.3765, 42.0155, 100.7476



50.1812, 42.0155, 20.6081

Square

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



37.3765, 42.0155, 100.7476



56.1672, 42.0155, 53.6518



42.6066, 42.0155, 15.6221



27.1759, 42.0155, 38.6608

Rectangle

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



37.3765, 42.0155, 100.7476



50.0567, 42.0155, 86.2349



42.6066, 42.0155, 15.6221



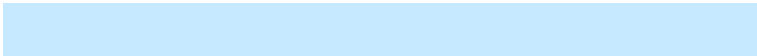
31.2780, 42.0155, 20.4573

Sweetspot

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



37.3779, 42.0169, 100.7478



70.6426, 77.4803, 105.8397



43.2076, 74.7993, 37.5714



14.5721, 16.0568, 22.5812



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.



37.3779, 42.0169, 100.7478



32.4970, 35.1759, 99.6846



24.5182, 16.2975, 96.4612



17.9147, 19.2010, 23.0119



15.6046, 16.1188, 51.7234



1.6261, 1.7829, 5.0717

Inverse Universe

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



51.9378, 29.1456, 47.1454



48.7612, 25.1453, 38.8330



71.6683, 80.2962, 17.6848



18.4696, 18.1711, 21.0900



24.6647, 12.3552, 17.4165



2.4554, 1.2245, 1.9795

Previews

White Background



This preview shows how the XYZ color 37.3765, 42.0155, 100.7476 looks on a white background.

Color Contrast Check

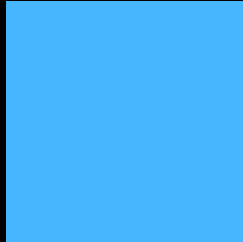
Large Text (above 18pt) WCAG AA × Fail

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 37.3765, 42.0155, 100.7476 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

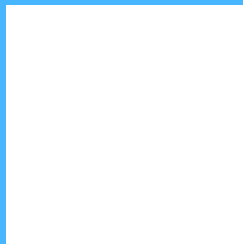
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3765, 42.0155, 100.7476

Background



This preview shows how black text looks on a background with the XYZ color 37.3765, 42.0155, 100.7476.



This preview shows how white text looks on a background with the XYZ color 37.3765, 42.0155,

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

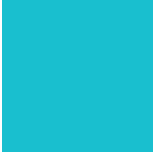
37.3765, 42.0155, 100.7476

Protanopia

43.2506, 41.7316, 92.1617

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

30.2942, 41.9733, 65.5365

Trichromacy



Original Color

37.3765, 42.0155, 100.7476

Protanomaly

40.1201, 41.1766, 95.4559

Deuteranomaly

40.0621, 41.3247, 100.4727

Tritanomaly

32.3926, 41.8405, 76.8898

Monochromacy



Original Color

37.3765, 42.0155, 100.7476

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8660, 35.5583, 55.6360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3765, 42.0155, 100.7476 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(71, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3765, 42.0155, 100.7476 is called "border". The border property can be set on classes, ids or directly on the HTML element.

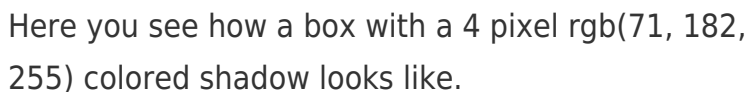
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 182, 255) }
```


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

```
.border{ border-color:rgb(71, 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(71, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3765, 42.0155, 100.7476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 182, 255) }
```

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

```
.background{ background-color: rgb(71, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor