

Converting Colors

XYZ(37.6065, 41.8472,
100.7030)

Have a look what the booklet for
XYZ(37.6065, 41.8472, 100.7030)
contains.

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Color

**XYZ(37.6344, 41.8455,
100.7012)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB5FF
RGB	77, 181, 255
RGB Percent	30%, 71%, 100%
CMY	0.6980, 0.2902, 0.0000
CMYK	0.70, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 70%, 100%
XYZ	37.6344, 41.8455, 100.7012
YIQ	158.3400, -85.7380, 0.9660

Conversions

Conversions Part 2

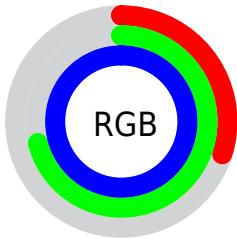
Format	Color
R _Y B	77, 143, 255
Decimal	5092863
CIE Lab	70.76, -6.83, -45.27
CIE LCh	71, 45.778, 261.424
Yxy	41.8455, 0.2089, 0.2322
Android (android.graphics.Color)	4283282943 (0xFF4DB5FF)
YUV	158.3400, 47.6534, -71.3352
Hunter-Lab	64.6881, -9.3560, -47.0162

Details

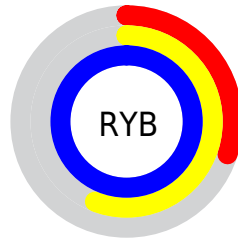
The XYZ color **37.6344, 41.8455, 100.7012** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **53.6480, 43.9321, 12.6754**, and the grayscale version is **32.4738, 34.1650, 37.2057**.

A 20% lighter version of the original color is **59.8358, 73.7177, 105.6830**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.8911, 36.8371, 99.9318**, and if you desaturate by 10%, it is **42.3503, 47.6002, 101.5634**.

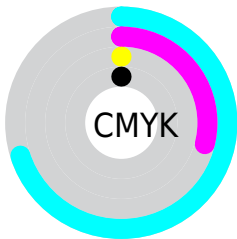
Distribution



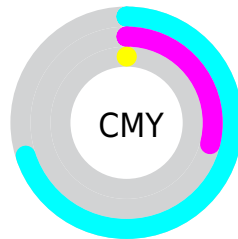
- Red (30%)
- Green (71%)
- Blue (100%)



- 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 37.6344, 41.8455, 100.7012 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 37.6344, 41.8455, 100.7012 by changing the saturation by 10% instead.

■ 37.6344, 41.8455,
100.7012

■ 37.6344, 41.8455,
100.7012

327.3571,
353.8421, 583.7043

■ 25.8750, 28.9803,
76.2661

■ 70.8549, 77.9657,
164.1807

■ 16.8623, 19.0659,
56.1428

■ 93.0468, 101.9896,
204.0623

■ 10.2311, 11.7179,
39.9127

■ 119.4468,
130.5018, 249.9297

■ 5.6159, 6.5519,
27.1572

■ 150.4203,
163.8868, 302.2016

■ 2.6514, 3.1835,
17.4578

186.3328,
202.5289, 361.2964

■ 0.9722, 1.2283,
10.3960

227.5495,

■ 0.0000, 0.0846,

246.8126, 427.6328

5.5533

274.4358,
297.1222, 501.6293

■ 0.0000, 0.0000,
2.5111

■ 0.0000, 0.0000,
0.8460

■ 37.6344, 41.8455,
100.7012

■ 37.6344, 41.8455,
100.7012

■ 33.8911, 36.8371,
99.9318

■ 42.3503, 47.6002,
101.5634

■ 31.0123, 32.5118,
99.2486

■ 48.1224, 54.1474,
102.5229

■ 28.8352, 28.7808,
98.6432

■ 55.0292, 61.5334,
103.5845

■ 28.7951, 28.7102,
98.6317

■ 63.1398, 69.7987,
104.7524

■ 72.5177, 78.9808,
106.0305

■ 83.2215, 89.1145,
107.4223

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.



31.3431, 41.8455, 86.7103



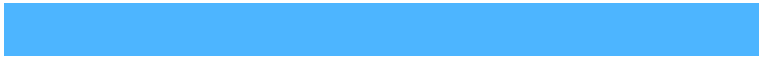
37.6344, 41.8455, 100.7012



45.3497, 41.8455, 96.6466

Triad

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



37.6344, 41.8455, 100.7012



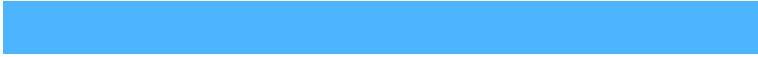
54.9771, 41.8455, 31.9284



29.4126, 41.8455, 24.1407

Complementary

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



37.6344, 41.8455, 100.7012



53.6480, 43.9321, 12.6754

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.



34.6731, 41.8455, 16.6634



37.6344, 41.8455, 100.7012



49.5929, 41.8455, 20.0613

Square

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



37.6344, 41.8455, 100.7012



56.0334, 41.8455, 52.0893



41.9909, 41.8455, 15.4550



27.0084, 41.8455, 39.6053

Rectangle

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



37.6344, 41.8455, 100.7012



50.2398, 41.8455, 84.6745



41.9909, 41.8455, 15.4550



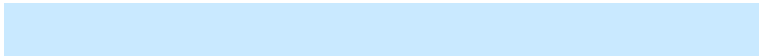
30.8712, 41.8455, 20.8446

Sweetspot

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



37.6358, 41.8469, 100.7014



71.3230, 77.8289, 105.8711



44.1831, 75.2429, 40.2974



14.6933, 16.1026, 22.5836



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.



37.6358, 41.8469, 100.7014



32.5832, 34.9407, 99.6347



25.1866, 16.9485, 96.5516



17.8849, 19.1413, 23.0020



15.1969, 15.3034, 51.5875



1.5876, 1.7058, 5.0589

Inverse Universe

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



52.2354, 29.9056, 46.7365



48.9042, 25.5833, 38.4117



72.9224, 82.4809, 19.1002



18.4545, 18.1651, 21.0107



24.4589, 12.2729, 16.3329



2.4359, 1.2167, 1.8771

Previews

White Background



This preview shows how the XYZ color 37.6344, 41.8455, 100.7012 looks on a white background.

Color Contrast Check

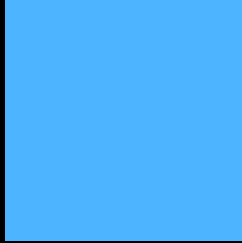
Large Text (above 18pt) WCAG AA × Fail

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 37.6344, 41.8455, 100.7012 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

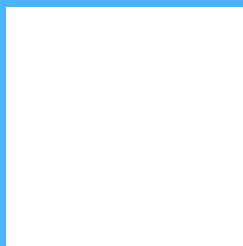
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6344, 41.8455, 100.7012

Background



This preview shows how black text looks on a background with the XYZ color 37.6344, 41.8455, 100.7012.

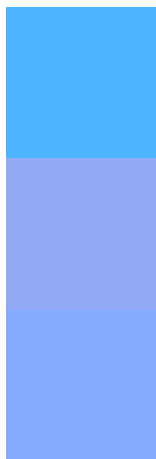


This preview shows how white text looks on a background with the XYZ color 37.6344, 41.8455,

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

37.6344, 41.8455, 100.7012

Protanopia

42.8821, 41.2644, 92.0909

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

30.4291, 41.7343, 64.8443

Trichromacy



Original Color

37.6344, 41.8455, 100.7012

Protanomaly

40.0685, 40.8643, 95.3983

Deuteranomaly

40.3194, 41.4574, 100.4848

Tritanomaly

32.6931, 41.6794, 76.8428

Monochromacy



Original Color

37.6344, 41.8455, 100.7012

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 37.6344, 41.8455, 100.7012 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.6344, 41.8455, 100.7012 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, 181, 255) }
```


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

```
.border{ border-color:rgb(77, 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(77, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6344, 41.8455, 100.7012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 181, 255) }
```

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

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