

Converting Colors

XYZ(41.6611, 47.5432,
102.0158)

Have a look what the booklet for
XYZ(41.6611, 47.5432, 102.0158)
contains.

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Color

**XYZ(41.6342, 47.6871,
101.6179)**

Conversions

Conversions Part 1

Format	Color
Hex	5DC1FF
RGB	93, 193, 255
RGB Percent	36%, 76%, 100%
CMY	0.6353, 0.2431, 0.0000
CMYK	0.64, 0.24, 0.00, 0.00
HSL	203°, 100%, 68%
HSV	203°, 64%, 100%
XYZ	41.6342, 47.6871, 101.6179
YIQ	170.1680, -79.5020, -1.9180

Conversions

Conversions Part 2

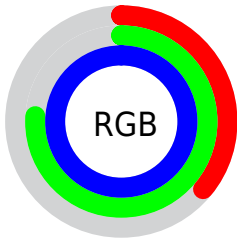
Format	Color
R _Y B	93, 155, 255
Decimal	6144511
CIE Lab	74.63, -10.91, -39.20
CIE LCh	75, 40.684, 254.452
Yxy	47.6871, 0.2180, 0.2498
Android (android.graphics.Color)	4284334591 (0xFF5DC1FF)
YUV	170.1680, 41.8222, -67.6763
Hunter-Lab	69.0558, -13.2290, -38.9080

Details

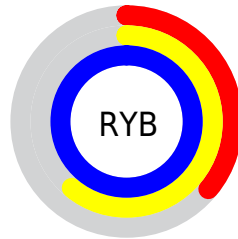
The XYZ color **41.6342, 47.6871, 101.6179** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **54.9387, 45.4955, 16.2440**, and the grayscale version is **38.1205, 40.1058, 43.6752**.

A 20% lighter version of the original color is **65.6360, 82.0393, 106.9835**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **37.3835, 42.3987, 100.8212**, and if you desaturate by 10%, it is **46.8904, 53.7069, 102.5028**.

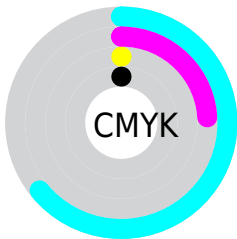
Distribution



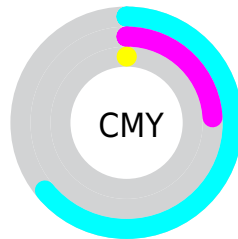
- Red (36%)
- Green (76%)
- Blue (100%)



- Red (36%)
- Yellow (61%)
- Blue (100%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6342, 47.6871, 101.6179 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 41.6342, 47.6871, 101.6179 by changing the saturation by 10% instead.

41.6342, 47.6871,
101.6179

41.6342, 47.6871,
101.6179

343.9818,
377.5505, 586.6584

29.0048, 33.5792,
77.0280

76.9143, 86.7383,
165.4500

19.2288, 22.5705,
56.7642

100.2958,
112.4504, 205.5293

11.9407, 14.2767,
40.4078

127.9920,
142.7994, 251.6088

6.7752, 8.3134,
27.5405

160.3684,
178.1696, 304.1070

3.3670, 4.2961,
17.7435

197.7902,
218.9454, 363.4426

1.3507, 1.8405,
10.5985

240.6227,

0.2207, 0.5123,

265.5112, 430.0340

5.6868

289.2315,
318.2515, 504.2997

■ 0.0000, 0.0000,
2.5899

■ 0.0000, 0.0000,
0.8872

■ 41.6342, 47.6871,
101.6179

■ 41.6342, 47.6871,
101.6179

■ 37.3835, 42.3987,
100.8212

■ 46.8904, 53.7069,
102.5028

■ 34.0417, 37.7854,
100.1069

■ 53.2273, 60.4982,
103.4797

■ 31.4987, 33.7870,
99.4691

■ 60.7176, 68.1033,
104.5528

■ 30.1757, 31.4715,
99.0919

■ 69.4261, 76.5593,
105.7260

■ 79.4122, 85.9003,
107.0027

■ 90.7315, 96.1588,
108.3862

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.



35.9490, 47.6871, 85.8203



41.6342, 47.6871, 101.6179



48.9522, 47.6871, 101.9323

Triad

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



41.6342, 47.6871, 101.6179



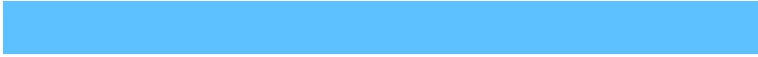
60.4682, 47.6871, 42.4446



36.1133, 47.6871, 28.0191

Complementary

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



41.6342, 47.6871, 101.6179



54.9387, 45.4955, 16.2440

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.



41.8819, 47.6871, 21.7188



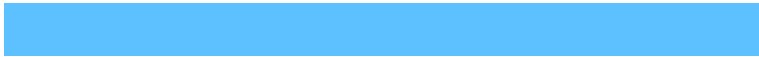
41.6342, 47.6871, 101.6179



56.2044, 47.6871, 28.3842

Square

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



41.6342, 47.6871, 101.6179



60.3833, 47.6871, 63.5708



49.2281, 47.6871, 21.8312



33.0049, 47.6871, 41.7929

Rectangle

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



41.6342, 47.6871, 101.6179



53.8180, 47.6871, 93.0616



49.2281, 47.6871, 21.8312



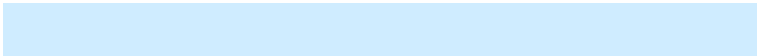
37.7764, 47.6871, 25.1457

Sweetspot

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



41.6357, 47.6887, 101.6181



73.7838, 80.6751, 106.2908



45.9760, 76.1280, 42.1514



15.1967, 16.7065, 22.6737



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.



41.6357, 47.6887, 101.6181



36.4758, 41.1964, 100.6370



28.6513, 21.7199, 97.2900



17.9368, 19.2452, 23.0193



15.9163, 16.7423, 51.8273



1.6554, 1.8416, 5.0815

Inverse Universe

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



54.7811, 32.9407, 53.9245



51.2423, 27.9480, 46.3175



72.4688, 80.5558, 22.0874



18.4807, 18.1756, 21.1487



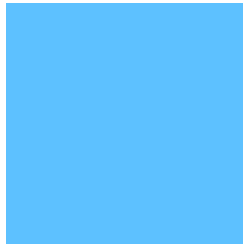
24.8220, 12.4181, 18.2451



2.4702, 1.2304, 2.0574

Previews

White Background



This preview shows how the XYZ color 41.6342, 47.6871, 101.6179 looks on a white background.

Color Contrast Check

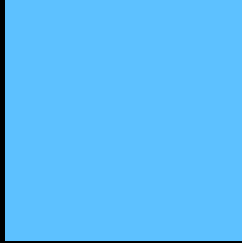
Large Text (above 18pt) WCAG AA × Fail

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 41.6342, 47.6871, 101.6179 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

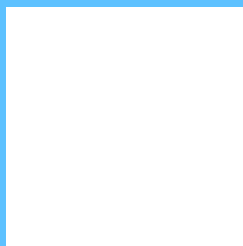
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6342, 47.6871, 101.6179

Background



This preview shows how black text looks on a background with the XYZ color 41.6342, 47.6871, 101.6179.

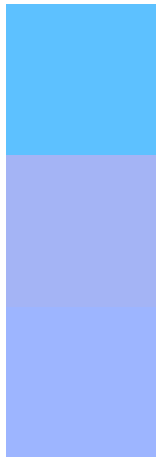


This preview shows how white text looks on a background with the XYZ color 41.6342, 47.6871,

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

41.6342, 47.6871, 101.6179

Protanopia

48.1125, 47.1276, 92.9469

Deuteranopia

48.4785, 47.4358, 101.2087



Tritanopia

35.7966, 47.6829, 72.2828

Trichromacy



Original Color

41.6342, 47.6871, 101.6179

Protanomaly

44.9291, 46.9408, 96.3150

Deuteranomaly

45.2305, 46.9863, 101.2931

Tritanomaly

37.5574, 47.3511, 82.0231

Monochromacy



Original Color

41.6342, 47.6871, 101.6179

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.6183, 41.8086, 61.3455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6342, 47.6871, 101.6179 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(93, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 193, 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(93, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.6342, 47.6871, 101.6179 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(93, 193, 255) }
```


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

```
.border{ border-color:rgb(93, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6342, 47.6871, 101.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 193, 255) }
```

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

```
.background{ background-color: rgb(93, 193,  
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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