

Converting Colors

XYZ(42.4637, 49.1413,
101.8549)

Have a look what the booklet for
XYZ(42.4637, 49.1413, 101.8549)
contains.

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Color

**XYZ(42.4060, 49.0795,
101.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	5EC4FF
RGB	94, 196, 255
RGB Percent	37%, 77%, 100%
CMY	0.6313, 0.2314, 0.0000
CMYK	0.63, 0.23, 0.00, 0.00
HSL	202°, 100%, 68%
HSV	202°, 63%, 100%
XYZ	42.4060, 49.0795, 101.8460
YIQ	172.2280, -79.7310, -3.2750

Conversions

Conversions Part 2

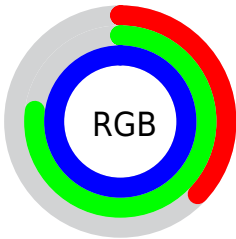
Format	Color
R _Y B	94, 156, 255
Decimal	6210815
CIE Lab	75.50, -12.34, -37.84
CIE LCh	76, 39.796, 251.938
Yxy	49.0795, 0.2193, 0.2539
Android (android.graphics.Color)	4284400895 (0xFF5EC4FF)
YUV	172.2280, 40.8066, -68.6060
Hunter-Lab	70.0568, -14.5517, -37.1539

Details

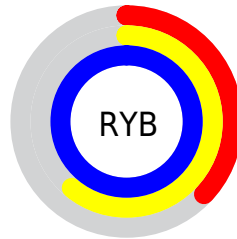
The XYZ color **42.4060, 49.0795, 101.8460** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **54.6531, 44.8529, 16.3687**, and the grayscale version is **39.1587, 41.1980, 44.8646**.

A 20% lighter version of the original color is **67.0799, 84.6387, 107.4092**, and **19.8660, 23.4232, 56.9002** is the 20% darker color. If you saturate the color by 10%, you get **38.1673, 43.8629, 101.0625**, and if you desaturate by 10%, it is **47.6423, 55.0071, 102.7142**.

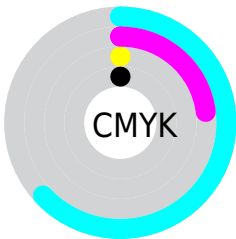
Distribution



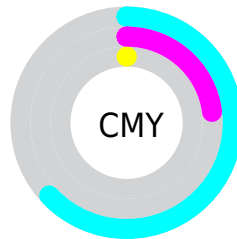
- Red (37%)
- Green (77%)
- Blue (100%)



- Red (37%)
- Yellow (61%)
- Blue (100%)



- Cyan (63%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4060, 49.0795, 101.8460 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 42.4060, 49.0795, 101.8460 by changing the saturation by 10% instead.

■ 42.4060, 49.0795,
101.8460

■ 42.4060, 49.0795,
101.8460

347.1263,
383.0552, 587.3922

■ 29.6118, 34.6825,
77.2177

■ 78.0750, 88.8095,
165.7657

■ 19.6907, 23.4184,
56.9189

■ 101.6806,
114.9114, 205.8940

■ 12.2774, 14.9028,
40.5312

■ 129.6207,
145.6837, 252.0262

■ 7.0064, 8.7512,
27.6360

■ 162.2607,
181.5107, 304.5806

■ 3.5125, 4.5792,
17.8148

199.9658,
222.7771, 363.9759

■ 1.4302, 2.0026,
10.6491

243.1016,

■ 0.2776, 0.6090,

269.8670, 430.6306

5.7202

292.0333,
323.1649, 504.9631

■ 0.0000, 0.0000,
2.6097

■ 0.0000, 0.0000,
0.8974

■ 42.4060, 49.0795,
101.8460

■ 42.4060, 49.0795,
101.8460

■ 38.1673, 43.8629,
101.0625

■ 47.6423, 55.0071,
102.7142

■ 34.8307, 39.3018,
100.3580

■ 53.9508, 61.6848,
103.6706

■ 32.2871, 35.3374,
99.7268

■ 61.4034, 69.1541,
104.7195

■ 30.8915, 32.9030,
99.3305

■ 70.0644, 77.4512,
105.8645

■ 79.9929, 86.6099,
107.1090

■ 91.2438, 96.6615,
108.4562

■ 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.



36.9132, 49.0795, 85.2801



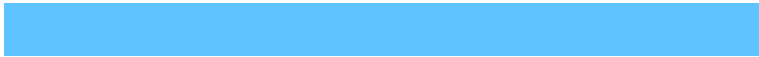
42.4060, 49.0795, 101.8460



49.6310, 49.0795, 103.5745

Triad

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



42.4060, 49.0795, 101.8460



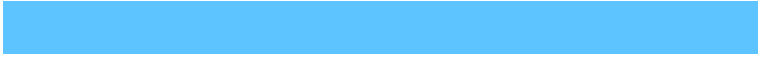
61.8729, 49.0795, 45.5026



37.8333, 49.0795, 28.6481

Complementary

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



42.4060, 49.0795, 101.8460



54.6531, 44.8529, 16.3687

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.



43.7881, 49.0795, 22.8343



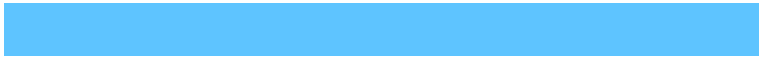
42.4060, 49.0795, 101.8460



57.9609, 49.0795, 30.7117

Square

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



42.4060, 49.0795, 101.8460



61.4028, 49.0795, 66.9841



51.1651, 49.0795, 23.4745



34.4702, 49.0795, 41.8557

Rectangle

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



42.4060, 49.0795, 101.8460



54.5245, 49.0795, 95.6297



51.1651, 49.0795, 23.4745



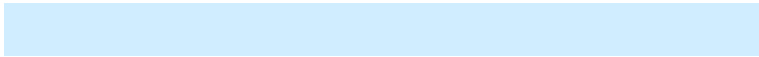
39.5702, 49.0795, 25.9424

Sweetspot

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



42.4075, 49.0812, 101.8462



74.0117, 81.1309, 106.3667



45.9107, 76.1136, 41.2763



15.2519, 16.8170, 22.6921



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.



42.4075, 49.0812, 101.8462



37.1230, 42.4908, 100.8527



29.1640, 22.5942, 97.4317



17.9624, 19.2965, 23.0278



16.2888, 17.4872, 51.9514



1.6902, 1.9112, 5.0931

Inverse Universe

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



55.2076, 33.2526, 55.7347



51.5690, 28.0787, 48.0378



71.7951, 79.1370, 22.0827



18.4937, 18.1808, 21.2169



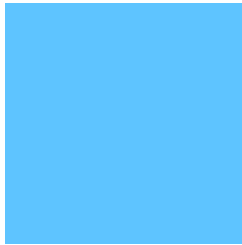
25.0100, 12.4933, 19.2351



2.4878, 1.2375, 2.1500

Previews

White Background



This preview shows how the XYZ color 42.4060, 49.0795, 101.8460 looks on a white background.

Color Contrast Check

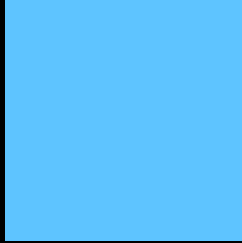
Large Text (above 18pt) WCAG AA × Fail

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 42.4060, 49.0795, 101.8460 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

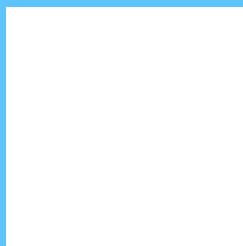
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4060, 49.0795, 101.8460

Background



This preview shows how black text looks on a background with the XYZ color 42.4060, 49.0795, 101.8460.

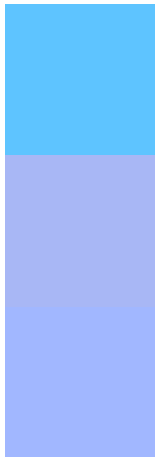


This preview shows how white text looks on a background with the XYZ color 42.4060, 49.0795,

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

42.4060, 49.0795, 101.8460

Protanopia

49.5634, 48.7844, 93.1903

Deuteranopia

49.6814, 48.6640, 101.3823



Tritanopia

37.1226, 49.3628, 74.5892

Trichromacy



Original Color

42.4060, 49.0795, 101.8460

Protanomaly

46.0666, 48.4687, 96.5500

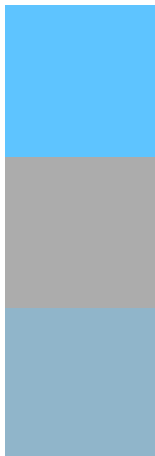
Deuteranomaly

46.3497, 48.5048, 101.5272

Tritanomaly

38.7870, 48.9737, 83.7525

Monochromacy



Original Color

42.4060, 49.0795, 101.8460

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.6861, 43.2413, 62.1845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4060, 49.0795, 101.8460 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(94, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 196, 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(94, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4060, 49.0795, 101.8460 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(94, 196, 255) }
```


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

```
.border{ border-color:rgb(94, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4060, 49.0795, 101.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 196, 255) }
```

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

```
.background{ background-color: rgb(94, 196,  
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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