

Converting Colors

XYZ(42.9038, 49.7275, 99.4326)

Have a look what the booklet for
XYZ(42.9038, 49.7275, 99.4326)
contains.

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Color

**XYZ(42.9038, 49.7275,
99.4326)**

Conversions

Conversions Part 1

Format	Color
Hex	65C5FC
RGB	101, 197, 252
RGB Percent	40%, 77%, 99%
CMY	0.6039, 0.2274, 0.0118
CMYK	0.60, 0.22, 0.00, 0.01
HSL	202°, 96%, 69%
HSV	202°, 60%, 99%
XYZ	42.9038, 49.7275, 99.4326
YIQ	174.5660, -74.8710, -3.2470

Conversions

Conversions Part 2

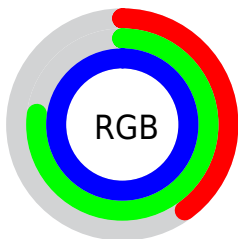
Format	Color
R _Y B	101, 160, 252
Decimal	6669820
CIE Lab	75.90, -12.58, -35.59
CIE LCh	76, 37.744, 250.535
Yxy	49.7275, 0.2234, 0.2589
Android (android.graphics.Color)	4284859900 (0xFF65C5FC)
YUV	174.5660, 38.1750, -64.5174
Hunter-Lab	70.5177, -14.8046, -34.2387

Details

The XYZ color **42.9038, 49.7275, 99.4326** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.3842, 45.4145, 18.2135**, and the grayscale version is **40.3623, 42.4642, 46.2436**.

A 20% lighter version of the original color is **68.5961, 85.8902, 107.5708**, and **19.9222, 23.7137, 55.1569** is the 20% darker color. If you saturate the color by 10%, you get **38.4817, 44.4482, 98.6476**, and if you desaturate by 10%, it is **48.3209, 55.7100, 100.3028**.

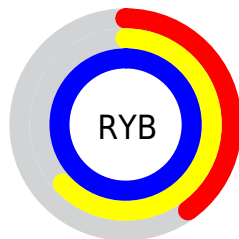
Distribution



Red (40%)

Green (77%)

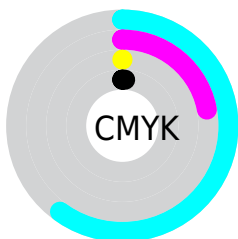
Blue (99%)



Red (40%)

Yellow (63%)

Blue (99%)

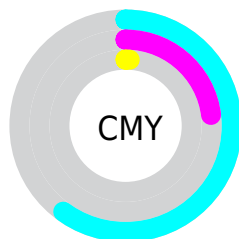


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (1%)



Cyan (60%)

Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9038, 49.7275, 99.4326 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 42.9038, 49.7275, 99.4326 by changing the saturation by 10% instead.

42.9038, 49.7275,
99.4326

42.9038, 49.7275,
99.4326

349.1442,
385.5993, 579.6031

30.0038, 35.1969,
75.2125

78.8223, 89.7710,
162.4223

19.9896, 23.8146,
55.2842

102.5715,
116.0527, 202.0290

12.4957, 15.1962,
39.2292

130.6679,
147.0203, 247.6016

7.1568, 8.9572,
26.6289

163.4768,
183.0580, 299.5588

3.6076, 4.7133,
17.0647

201.3635,
224.5504, 358.3190

1.4826, 2.0800,
10.1182

244.6934,

0.3140, 0.6534,

271.8819, 424.3007

5.3708

293.8318,
325.4367, 497.9226

■ 0.0000, 0.0000,
2.4039

■ 0.0000, 0.0000,
0.7886

■ 42.9038, 49.7275,
99.4326

■ 42.9038, 49.7275,
99.4326

■ 38.4817, 44.4482,
98.6476

■ 48.3209, 55.7100,
100.3028

■ 34.9654, 39.8200,
97.9396

■ 54.8017, 62.4316,
101.2586

■ 32.2567, 35.7898,
97.3045

■ 62.4142, 69.9315,
102.3050

■ 30.1941, 32.2708,
96.7340

■ 71.2191, 78.2439,
103.4454

■ 30.1783, 32.2432,
96.7295

■ 81.2722, 87.4007,
104.6830

■ 92.6260, 97.4319,
106.0208

■ 94.5709, 99.8084,
106.3770

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7221, 49.7275, 83.3854



42.9038, 49.7275, 99.4326



49.7779, 49.7275, 101.7894

Triad

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



42.9038, 49.7275, 99.4326



61.8302, 49.7275, 47.3742



39.0165, 49.7275, 29.7404

Complementary

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



42.9038, 49.7275, 99.4326



54.3842, 45.4145, 18.2135

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.



44.8372, 49.7275, 24.3176



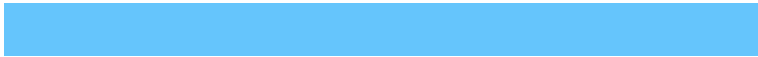
42.9038, 49.7275, 99.4326



58.2941, 49.7275, 32.6902

Square

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



42.9038, 49.7275, 99.4326



61.1813, 49.7275, 68.0891



51.9111, 49.7275, 25.2436



35.6364, 49.7275, 42.2474

Rectangle

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



42.9038, 49.7275, 99.4326



54.4662, 49.7275, 94.7769



51.9111, 49.7275, 25.2436



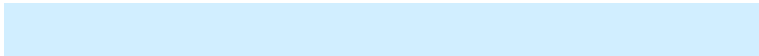
40.7273, 49.7275, 27.1880

Sweetspot

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



42.9055, 49.7293, 99.4338



75.0293, 82.1028, 106.5007



45.9992, 74.7170, 42.5063



15.4526, 17.0121, 22.7192



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.



42.9055, 49.7293, 99.4338



38.6878, 44.5945, 101.1763



30.1034, 24.1250, 95.1664



17.2031, 18.4831, 22.0462



15.8653, 17.0861, 50.4353



1.5702, 1.7841, 4.7048

Inverse Universe

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



54.8782, 34.0360, 56.5022



52.6093, 29.4537, 50.5598



70.6116, 77.8692, 23.6226



17.7091, 17.4110, 20.3237



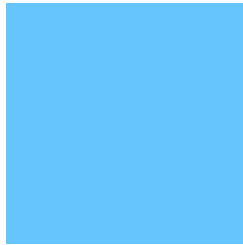
24.3001, 12.1358, 18.8205



2.3015, 1.1443, 2.0111

Previews

White Background



This preview shows how the XYZ color 42.9038, 49.7275, 99.4326 looks on a white background.

Color Contrast Check

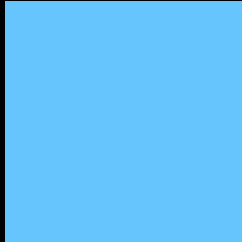
Large Text (above 18pt) WCAG AA × Fail

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 42.9038, 49.7275, 99.4326 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

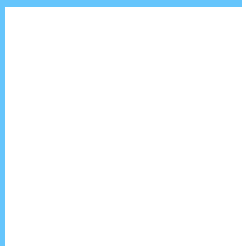
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9038, 49.7275, 99.4326

Background



This preview shows how black text looks on a background with the XYZ color 42.9038, 49.7275, 99.4326.



This preview shows how white text looks on a background with the XYZ color 42.9038, 49.7275,

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

42.9038, 49.7275, 99.4326

Protanopia

49.7451, 49.2378, 90.8864

Deuteranopia

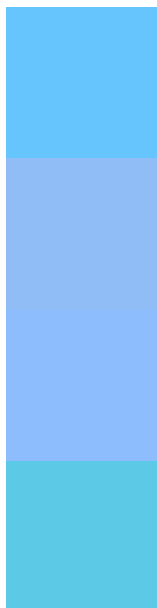
50.7075, 49.5003, 101.4897



Tritanopia

38.0726, 49.8526, 74.6337

Trichromacy



Original Color

42.9038, 49.7275, 99.4326

Protanomaly

46.5092, 49.0688, 94.2087

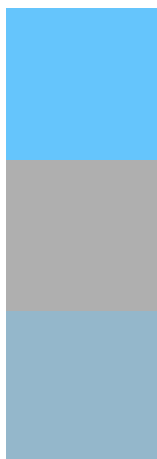
Deuteranomaly

47.2423, 49.3017, 100.7922

Tritanomaly

39.7241, 49.8181, 83.1235

Monochromacy



Original Color

42.9038, 49.7275, 99.4326

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9257, 44.4747, 62.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9038, 49.7275, 99.4326 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(101, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(101, 197, 252)  
}
```

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(101, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 197, 252) }
```

Border

The CSS property to change the border of an element to XYZ 42.9038, 49.7275, 99.4326 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(101, 197, 252) }
```


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

```
.border{ border-color:rgb(101, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(101, 197,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9038, 49.7275, 99.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 197, 252) }
```

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

```
.background{ background-color: rgb(101,  
197, 252) }
```

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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