

Converting Colors

XYZ(42.7958, 49.2911, 93.7988)

Have a look what the booklet for
XYZ(42.7958, 49.2911, 93.7988)
contains.

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Color

**XYZ(42.9034, 49.5172,
93.6827)**

Conversions

Conversions Part 1

Format	Color
Hex	70C4F5
RGB	112, 196, 245
RGB Percent	44%, 77%, 96%
CMY	0.5608, 0.2314, 0.0392
CMYK	0.54, 0.20, 0.00, 0.04
HSL	202°, 87%, 70%
HSV	202°, 54%, 96%
XYZ	42.9034, 49.5172, 93.6827
YIQ	176.4700, -65.7930, -2.5690

Conversions

Conversions Part 2

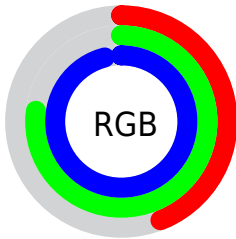
Format	Color
R _Y B	112, 163, 245
Decimal	7390453
CIE Lab	75.77, -12.02, -32.00
CIE LCh	76, 34.179, 249.411
Yxy	49.5172, 0.2305, 0.2661
Android (android.graphics.Color)	4285580533 (0xFF70C4F5)
YUV	176.4700, 33.7853, -56.5402
Hunter-Lab	70.3685, -14.3140, -29.6758

Details

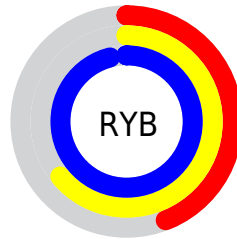
The XYZ color **42.9034, 49.5172, 93.6827** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.3271, 46.0737, 21.4134**, and the grayscale version is **41.3673, 43.5216, 47.3951**.

A 20% lighter version of the original color is **69.9699, 86.1285, 107.5444**, and **19.9850, 23.6010, 51.6462** is the 20% darker color. If you saturate the color by 10%, you get **38.2249, 44.1741, 92.8989**, and if you desaturate by 10%, it is **48.5557, 55.5461, 94.5494**.

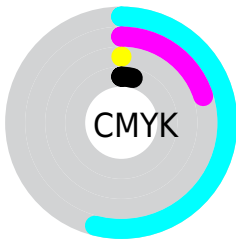
Distribution



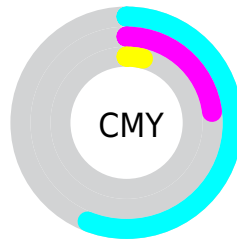
- Red (44%)
- Green (77%)
- Blue (96%)



- Red (44%)
- Yellow (64%)
- Blue (96%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9034, 49.5172, 93.6827 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 42.9034, 49.5172, 93.6827 by changing the saturation by 10% instead.

■ 42.9034, 49.5172,
93.6827

■ 42.9034, 49.5172,
93.6827

349.1426,
384.7749, 560.8154

■ 30.0035, 35.0299,
70.4483

■ 78.8217, 89.4591,
154.4233

■ 19.9893, 23.6859,
51.4130

■ 102.5708,
115.6826, 192.7666

■ 12.4955, 15.1008,
36.1584

■ 130.6671,
146.5869, 236.9832

■ 7.1567, 8.8902,
24.2659

163.4758,
182.5564, 287.4917

■ 3.6075, 4.6696,
15.3169

201.3623,
223.9756, 344.7106

■ 1.4826, 2.0547,
8.8930

244.6921,

■ 0.3139, 0.6390,

271.2288, 409.0585

4.5756

293.8304,
324.7004, 480.9539

■ 0.0000, 0.0000,
1.9461

■ 0.0000, 0.0000,
0.5219

■ 42.9034, 49.5172,
93.6827

■ 42.9034, 49.5172,
93.6827

■ 38.2249, 44.1741,
92.8989

■ 48.5557, 55.5461,
94.5494

■ 34.4424, 39.4707,
92.1904

■ 55.2414, 62.2917,
95.4991

■ 31.4736, 35.3621,
91.5538

■ 63.0211, 69.7892,
96.5362

■ 29.2159, 31.7923,
90.9838

■ 71.9488, 78.0694,
97.6639

■ 28.1594, 29.9482,
90.6835

■ 82.0750, 87.1612,
98.8851

■ 91.9573, 96.3239,
100.1328

■ 93.4816, 99.3726,
100.6409

Harmonies

Analogous

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



38.2542, 49.5172, 79.2787



42.9034, 49.5172, 93.6827



49.0877, 49.5172, 96.2518

Triad

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



42.9034, 49.5172, 93.6827



60.1552, 49.5172, 48.4024



39.7365, 49.5172, 31.1759

Complementary

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



42.9034, 49.5172, 93.6827



53.3271, 46.0737, 21.4134

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.



45.0979, 49.5172, 26.2706



42.9034, 49.5172, 93.6827



57.1335, 49.5172, 34.6369

Square

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



42.9034, 49.5172, 93.6827



59.4337, 49.5172, 67.1598



51.4865, 49.5172, 27.3765



36.5430, 49.5172, 42.5386

Rectangle

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



42.9034, 49.5172, 93.6827



53.3132, 49.5172, 90.4385



51.4865, 49.5172, 27.3765



41.3244, 49.5172, 28.8476

Sweetspot

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



42.9051, 49.5190, 93.6839



76.9908, 83.8479, 106.7342



45.7484, 71.3158, 44.9664



16.0349, 17.5380, 22.7900



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.



42.9051, 49.5190, 93.6839



41.4711, 47.9107, 101.6697



31.1123, 25.9335, 89.7530



16.4536, 17.6714, 21.0863



15.3066, 16.4071, 48.8982



1.4432, 1.6379, 4.3303

Inverse Universe

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



53.4156, 34.9880, 56.1644



54.5635, 32.3385, 54.3665



68.1241, 75.6678, 26.3457



16.9395, 16.6587, 19.4281



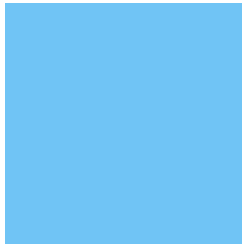
23.5306, 11.7557, 18.0344



2.1175, 1.0530, 1.8454

Previews

White Background



This preview shows how the XYZ color 42.9034, 49.5172, 93.6827 looks on a white background.

Color Contrast Check

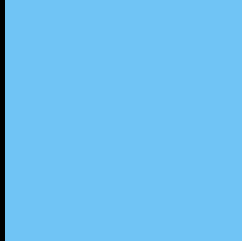
Large Text (above 18pt) WCAG AA × Fail

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 42.9034, 49.5172, 93.6827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

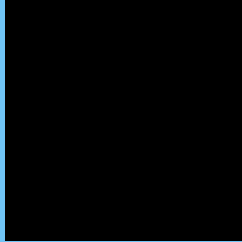
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

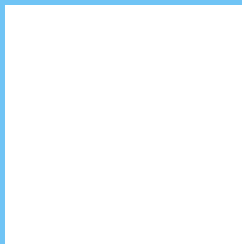
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9034, 49.5172, 93.6827

Background



This preview shows how black text looks on a background with the XYZ color 42.9034, 49.5172, 93.6827.



This preview shows how white text looks on a background with the XYZ color 42.9034, 49.5172,

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

42.9034, 49.5172, 93.6827

Protanopia

49.5144, 49.2213, 86.2479

Deuteranopia

50.2389, 49.0793, 95.6323



Tritanopia

38.8905, 49.6078, 73.1712

Trichromacy



Original Color

42.9034, 49.5172, 93.6827

Protanomaly

46.3257, 48.7777, 88.6348

Deuteranomaly

46.9845, 48.9777, 94.9730

Tritanomaly

40.2324, 49.4571, 80.0987

Monochromacy



Original Color

42.9034, 49.5172, 93.6827

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6130, 44.8563, 61.7759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9034, 49.5172, 93.6827 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(112, 196, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 196, 245)  
}
```

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(112, 196, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 196, 245) }
```

Border

The CSS property to change the border of an element to XYZ 42.9034, 49.5172, 93.6827 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(112, 196, 245) }
```


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

```
.border{ border-color:rgb(112, 196, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 196, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 196, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 196, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 196,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9034, 49.5172, 93.6827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 196, 245) }
```

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

```
.background{ background-color: rgb(112,  
196, 245) }
```

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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