

Converting Colors

XYZ(42.3282, 51.2840, 94.9320)

Have a look what the booklet for
XYZ(42.3282, 51.2840, 94.9320)
contains.

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Color

**XYZ(42.2693, 51.2220,
94.8478)**

Conversions

Conversions Part 1

Format	Color
Hex	5DCAF6
RGB	93, 202, 246
RGB Percent	36%, 79%, 96%
CMY	0.6353, 0.2078, 0.0353
CMYK	0.62, 0.18, 0.00, 0.04
HSL	197°, 89%, 66%
HSV	197°, 62%, 96%
XYZ	42.2693, 51.2220, 94.8478
YIQ	174.4250, -79.0880, -9.4240

Conversions

Conversions Part 2

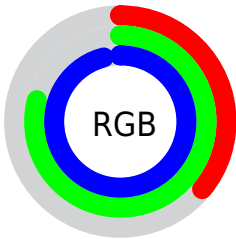
Format	Color
RYP	93, 157, 246
Decimal	6146806
CIELab	76.81, -18.41, -30.99
CIElCh	77, 36.040, 239.287
Yxy	51.2220, 0.2244, 0.2720
Android (android.graphics.Color)	4284336886 (0xFF5DCAF6)
YUV	174.4250, 35.2865, -71.4097
Hunter-Lab	71.5695, -19.8238, -28.4756

Details

The XYZ color **42.2693, 51.2220, 94.8478** 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 **48.9293, 38.2769, 15.1673**, and the grayscale version is **40.3058, 42.4048, 46.1788**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **19.8842, 24.8975, 52.4729** is the 20% darker color. If you saturate the color by 10%, you get **38.5462, 46.8956, 94.2099**, and if you desaturate by 10%, it is **46.8724, 56.1170, 95.5510**.

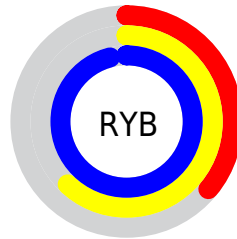
Distribution



Red (36%)

Green (79%)

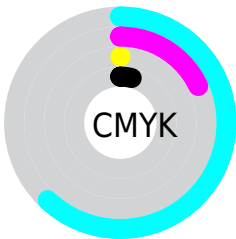
Blue (96%)



Red (36%)

Yellow (62%)

Blue (96%)

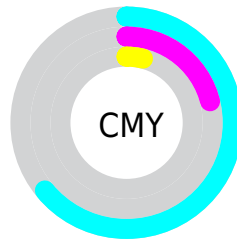


Cyan (62%)

Magenta (18%)

Yellow (0%)

Black (4%)



Cyan (64%)

Magenta (21%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2693, 51.2220, 94.8478 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 42.2693, 51.2220, 94.8478 by changing the saturation by 10% instead.

42.2693, 51.2220,
94.8478

42.2693, 51.2220,
94.8478

346.5707,
391.4257, 564.6495

29.5042, 36.3853,
71.4121

77.8696, 91.9828,
156.0481

19.6088, 24.7319,
52.1947

101.4357,
118.6758, 194.6498

12.2176, 15.8774,
36.7770

129.3327,
150.0896, 239.1439

6.9653, 9.4375,
24.7404

161.9261,
186.6087, 289.9489

3.4866, 5.0276,
15.6665

199.5813,
228.6175, 347.4835

1.4160, 2.2635,
9.1367

242.6635,

0.2676, 0.7543,

276.5003, 412.1661

4.7324

291.5382,
330.6416, 484.4152

■ 0.0000, 0.0000,
2.0352

■ 0.0000, 0.0000,
0.5768

■ 42.2693, 51.2220,
94.8478

■ 42.2693, 51.2220,
94.8478

■ 38.5462, 46.8956,
94.2099

■ 46.8724, 56.1170,
95.5510

■ 35.6172, 43.0890,
93.6296

■ 52.4208, 61.6129,
96.3194

■ 33.3863, 39.7523,
93.1031

■ 58.9791, 67.7452,
97.1574

■ 32.0143, 37.4131,
92.7239

■ 66.6044, 74.5449,
98.0680

75.3496, 82.0406,
99.0538

85.2637, 90.2589,
100.1176

92.5363, 97.2369,
101.0812

93.6347, 99.4339,
101.4474

Harmonies

Analogous

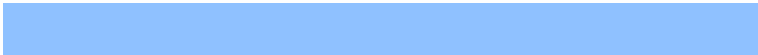
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0871, 51.2220, 76.3119



42.2693, 51.2220, 94.8478



48.5215, 51.2220, 102.5749

Triad

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



42.2693, 51.2220, 94.8478



63.0626, 51.2220, 56.2420



42.5278, 51.2220, 28.9390

Complementary

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



42.2693, 51.2220, 94.8478



48.9293, 38.2769, 15.1673

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.



48.8488, 51.2220, 25.9406



42.2693, 51.2220, 94.8478



61.0863, 51.2220, 39.2943

Square

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



42.2693, 51.2220, 94.8478



60.8961, 51.2220, 77.3167



55.7190, 51.2220, 29.2427



38.2262, 51.2220, 38.6550

Rectangle

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



42.2693, 51.2220, 94.8478



53.1617, 51.2220, 99.4370



55.7190, 51.2220, 29.2427



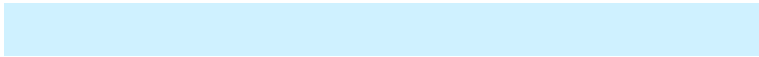
44.4669, 51.2220, 27.2293

Sweetspot

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



42.2710, 51.2239, 94.8490



75.1315, 83.3706, 106.7400



41.9406, 70.0276, 34.7319



15.5241, 17.3613, 22.7828



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.



42.2710, 51.2239, 94.8490



40.8022, 49.6098, 102.0329



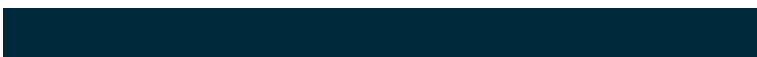
28.6308, 23.9434, 90.3023



16.5706, 17.9054, 21.1253



17.2139, 20.2216, 49.5339



1.6007, 1.9527, 4.3828

Inverse Universe

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



52.5826, 31.6877, 59.2237



53.4846, 29.0688, 57.4350



63.7399, 67.8980, 20.1041



16.9986, 16.6823, 19.7391



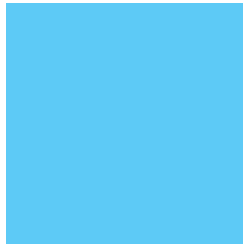
24.4933, 12.1408, 23.1039



2.1970, 1.0848, 2.2638

Previews

White Background



This preview shows how the XYZ color 42.2693, 51.2220, 94.8478 looks on a white background.

Color Contrast Check

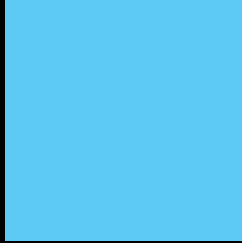
Large Text (above 18pt) WCAG AA × Fail

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 42.2693, 51.2220, 94.8478 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

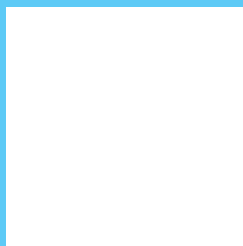
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2693, 51.2220, 94.8478

Background



This preview shows how black text looks on a background with the XYZ color 42.2693, 51.2220, 94.8478.



This preview shows how white text looks on a background with the XYZ color 42.2693, 51.2220,

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

42.2693, 51.2220, 94.8478

Protanopia

50.6858, 50.4631, 85.6662

Deuteranopia

51.8379, 50.4843, 97.4548



Tritanopia

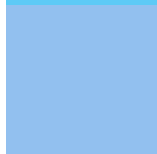
38.8703, 51.2642, 77.6583

Trichromacy



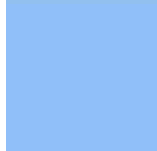
Original Color

42.2693, 51.2220, 94.8478



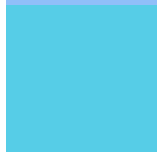
Protanomaly

46.2837, 50.0423, 88.8811



Deuteranomaly

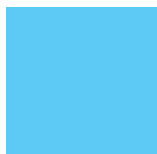
47.2313, 50.0304, 96.7900



Tritanomaly

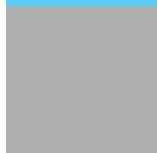
40.0929, 51.4106, 83.4114

Monochromacy



Original Color

42.2693, 51.2220, 94.8478



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

39.2429, 44.4709, 61.1590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2693, 51.2220, 94.8478 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, 202, 246)` looks like.

```
.text, #text, p{  
    color:rgb(93, 202, 246)  
}
```

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, 202, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 202, 246) }
```

Border

The CSS property to change the border of an element to XYZ 42.2693, 51.2220, 94.8478 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, 202, 246) }
```


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

```
.border{ border-color:rgb(93, 202, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 202, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 202, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 202, 246);  
box-shadow:4px 4px 4px 4px rgb(93, 202,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2693, 51.2220, 94.8478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 202, 246) }
```

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

```
.background{ background-color: rgb(93, 202,  
246) }
```

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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