

Converting Colors

XYZ(49.1031, 53.3917,
136.3497)

Have a look what the booklet for
XYZ(49.1031, 53.3917, 136.3497)
contains.

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Color

**XYZ(42.6830, 50.9246,
102.1875)**

Conversions

Conversions Part 1

Format	Color
Hex	55C9FF
RGB	85, 201, 255
RGB Percent	33%, 79%, 100%
CMY	0.6666, 0.2118, 0.0000
CMYK	0.67, 0.21, 0.00, 0.00
HSL	199°, 100%, 67%
HSV	199°, 67%, 100%
XYZ	42.6830, 50.9246, 102.1875
YIQ	172.4720, -86.4700, -7.7980

Conversions

Conversions Part 2

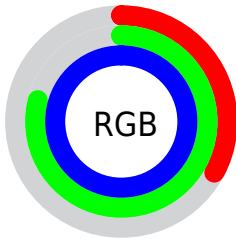
Format	Color
R _Y B	85, 154, 255
Decimal	5622271
CIE Lab	76.63, -16.39, -36.10
CIE LCh	77, 39.647, 245.581
Yxy	50.9246, 0.2180, 0.2601
Android (android.graphics.Color)	4283812351 (0xFF55C9FF)
YUV	172.4720, 40.6863, -76.7129
Hunter-Lab	71.3615, -18.1175, -34.9485

Details

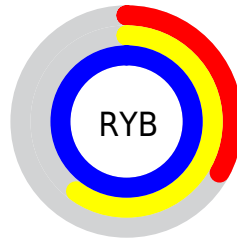
The XYZ color **42.6830, 50.9246, 102.1875** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **52.1139, 40.3836, 13.6447**, and the grayscale version is **39.2855, 41.3314, 45.0099**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **20.6268, 24.9447, 57.1537** is the 20% darker color. If you saturate the color by 10%, you get **38.9325, 46.2624, 101.4853**, and if you desaturate by 10%, it is **47.3698, 56.2192, 102.9625**.

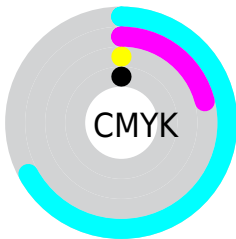
Distribution



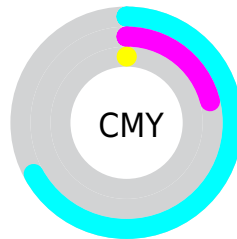
- Red (33%)
- Green (79%)
- Blue (100%)



- Red (33%)
- Yellow (60%)
- Blue (100%)



- Cyan (67%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6830, 50.9246, 102.1875 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 42.6830, 50.9246, 102.1875 by changing the saturation by 10% instead.

■ 42.6830, 50.9246,
102.1875

■ 42.6830, 50.9246,
102.1875

348.2501,
390.2708, 588.4899

■ 29.8299, 36.1486,
77.5016

■ 78.4910, 91.5433,
166.2381

■ 19.8570, 24.5490,
57.1507

■ 102.1766,
118.1548, 206.4399

■ 12.3988, 15.7414,
40.7160

■ 130.2037,
149.4803, 252.6508

■ 7.0900, 9.3413,
27.7792

■ 162.9378,
185.9041, 305.2892

■ 3.5653, 4.9645,
17.9217

200.7441,
227.8107, 364.7739

■ 1.4593, 2.2264,
10.7249

243.9880,

■ 0.2979, 0.7343,

275.5844, 431.5231

5.7704

293.0349,
329.6096, 505.9557

■ 0.0000, 0.0000,
2.6394

■ 0.0000, 0.0000,
0.9127

■ 42.6830, 50.9246,
102.1875

■ 42.6830, 50.9246,
102.1875

■ 38.9325, 46.2624,
101.4853

■ 47.3698, 56.2192,
102.9625

■ 36.0177, 42.1756,
100.8501

■ 53.0703, 62.1855,
103.8136

■ 33.8199, 38.6017,
100.2761

■ 59.8583, 68.8647,
104.7451

■ 33.1858, 37.4917,
100.0953

■ 67.7993, 76.2925,
105.7603

■ 76.9533, 84.5020,
106.8624

■ 87.3760, 93.5240,
108.0545

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.



37.5973, 50.9246, 83.1129



42.6830, 50.9246, 102.1875



49.8182, 50.9246, 107.5362

Triad

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



42.6830, 50.9246, 102.1875



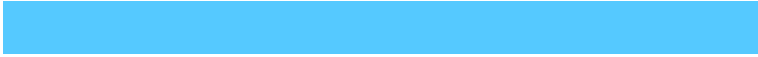
64.2174, 50.9246, 51.5282



40.4881, 50.9246, 28.1885

Complementary

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



42.6830, 50.9246, 102.1875



52.1139, 40.3836, 13.6447

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.



47.0135, 50.9246, 23.6679



42.6830, 50.9246, 102.1875



61.1013, 50.9246, 34.7245

Square

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



42.6830, 50.9246, 102.1875



62.7539, 50.9246, 74.3308



54.6110, 50.9246, 25.7069



36.4247, 50.9246, 40.0693

Rectangle

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



42.6830, 50.9246, 102.1875



54.8989, 50.9246, 101.6561



54.6110, 50.9246, 25.7069



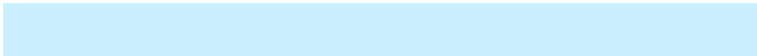
42.4396, 50.9246, 25.9196

Sweetspot

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



42.6846, 50.9263, 102.1878



73.7598, 81.6732, 106.4847



44.1559, 75.3112, 36.5744



15.2351, 16.9864, 22.7257



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.



42.6846, 50.9263, 102.1878



37.8719, 44.8370, 101.2661



28.0629, 21.6831, 97.3139



18.0397, 19.4511, 23.0536



17.4807, 19.8710, 52.3487



1.8005, 2.1316, 5.1298

Inverse Universe

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



55.0323, 31.9759, 58.5314



51.7399, 27.3541, 51.3822



69.4915, 75.1389, 19.4372



18.5327, 18.1964, 21.4224



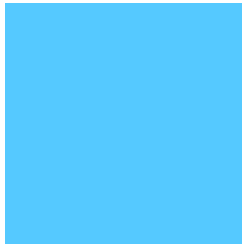
25.6116, 12.7340, 22.4032



2.5434, 1.2597, 2.4430

Previews

White Background



This preview shows how the XYZ color 42.6830, 50.9246, 102.1875 looks on a white background.

Color Contrast Check

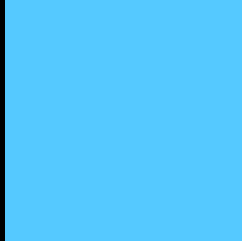
Large Text (above 18pt) WCAG AA × Fail

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 42.6830, 50.9246, 102.1875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

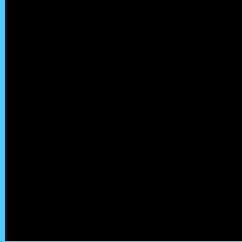
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

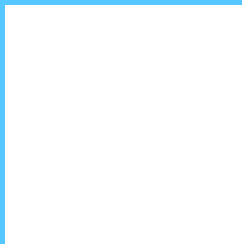
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6830, 50.9246, 102.1875

Background



This preview shows how black text looks on a background with the XYZ color 42.6830, 50.9246, 102.1875.

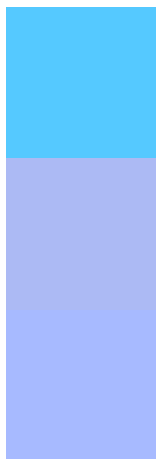


This preview shows how white text looks on a background with the XYZ color 42.6830, 50.9246,

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

42.6830, 50.9246, 102.1875

Protanopia

50.9013, 50.4201, 92.6372

Deuteranopia

51.5453, 50.5533, 101.6488



Tritanopia

37.9468, 51.1467, 77.6843

Trichromacy



Original Color

42.6830, 50.9246, 102.1875

Protanomaly

46.3893, 49.6144, 95.9385

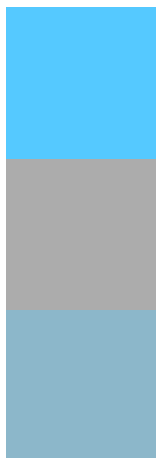
Deuteranomaly

46.9973, 49.8000, 101.7431

Tritanomaly

39.6508, 51.1166, 86.3739

Monochromacy



Original Color

42.6830, 50.9246, 102.1875

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4094, 43.7067, 62.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6830, 50.9246, 102.1875 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(85, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 201, 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(85, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6830, 50.9246, 102.1875 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(85, 201, 255) }
```


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

```
.border{ border-color:rgb(85, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6830, 50.9246, 102.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 201, 255) }
```

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

```
.background{ background-color: rgb(85, 201,  
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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