

Converting Colors

XYZ(42.8889, 47.8789,
101.5888)

Have a look what the booklet for
XYZ(42.8889, 47.8789, 101.5888)
contains.

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Color

**XYZ(42.9630, 48.0451,
101.6170)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC0FF
RGB	107, 192, 255
RGB Percent	42%, 75%, 100%
CMY	0.5804, 0.2470, 0.0000
CMYK	0.58, 0.25, 0.00, 0.00
HSL	206°, 100%, 71%
HSV	206°, 58%, 100%
XYZ	42.9630, 48.0451, 101.6170
YIQ	173.7670, -70.8830, 1.5730

Conversions

Conversions Part 2

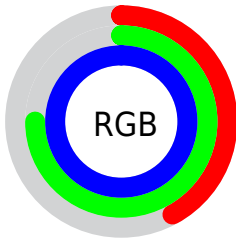
Format	Color
RYB	107, 161, 255
Decimal	7061759
CIELab	74.85, -7.88, -38.80
CIELCh	75, 39.597, 258.517
Yxy	48.0451, 0.2230, 0.2494
Android (android.graphics.Color)	4285251839 (0xFF6BC0FF)
YUV	173.7670, 40.0479, -58.5547
Hunter-Lab	69.3146, -10.6615, -38.4005

Details

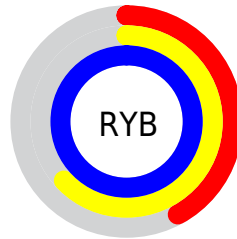
The XYZ color **42.9630, 48.0451, 101.6170** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.2697, 51.0727, 20.6987**, and the grayscale version is **39.9414, 42.0215, 45.7614**.

A 20% lighter version of the original color is **67.7659, 82.6796, 106.9949**, and **20.0853, 22.8825, 56.7842** is the 20% darker color. If you saturate the color by 10%, you get **38.0409, 42.0998, 100.7288**, and if you desaturate by 10%, it is **48.9675, 54.8111, 102.6065**.

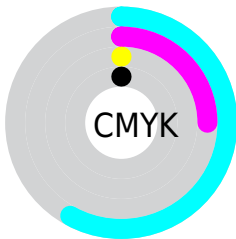
Distribution



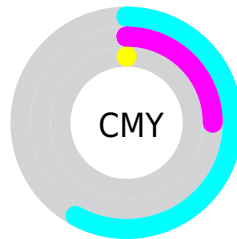
- Red (42%)
- Green (75%)
- Blue (100%)



- Red (42%)
- Yellow (63%)
- Blue (100%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9630, 48.0451, 101.6170 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 42.9630, 48.0451, 101.6170 by changing the saturation by 10% instead.

■ 42.9630, 48.0451,
101.6170

■ 42.9630, 48.0451,
101.6170

349.3837,
378.9709, 586.6555

■ 30.0505, 33.8626,
77.0273

■ 78.9111, 87.2715,
165.4488

■ 20.0252, 22.7881,
56.7635

■ 102.6774,
113.0843, 205.5278

■ 12.5217, 14.4371,
40.4073

■ 130.7923,
143.5426, 251.6071

■ 7.1747, 8.4253,
27.5401

163.6212,
179.0308, 304.1052

■ 3.6189, 4.3683,
17.7432

201.5294,
219.9333, 363.4405

■ 1.4889, 1.8816,
10.5983

244.8823,

■ 0.3183, 0.5373,

266.6346, 430.0316

5.6866

294.0453,
319.5190, 504.2971

■ 0.0000, 0.0000,
2.5898

■ 0.0000, 0.0000,
0.8872

■ 42.9630, 48.0451,
101.6170

■ 42.9630, 48.0451,
101.6170

■ 38.0409, 42.0998,
100.7288

■ 48.9675, 54.8111,
102.6065

■ 34.1111, 36.9205,
99.9363

■ 56.1257, 62.4374,
103.7012

■ 31.0740, 32.4511,
99.2337

■ 64.5076, 70.9662,
104.9057

■ 28.7944, 28.6158,
98.6135

■ 74.1757, 80.4348,
106.2237

■ 28.3988, 27.9176,
98.4996

■ 85.1883, 90.8783,
107.6591

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.



37.0906, 48.0451, 88.0170



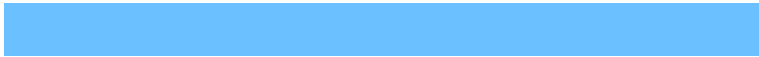
42.9630, 48.0451, 101.6170



50.2076, 48.0451, 99.6681

Triad

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



42.9630, 48.0451, 101.6170



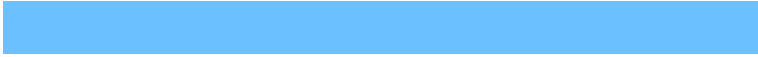
60.1001, 48.0451, 40.6979



36.0542, 48.0451, 30.1892

Complementary

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



42.9630, 48.0451, 101.6170



58.2697, 51.0727, 20.6987

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.



41.4058, 48.0451, 22.9916



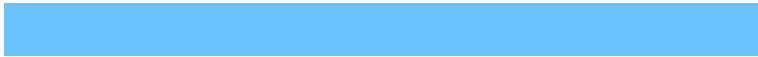
42.9630, 48.0451, 101.6170



55.4693, 48.0451, 27.8656

Square

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



42.9630, 48.0451, 101.6170



60.6300, 48.0451, 60.6145



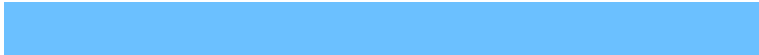
48.4789, 48.0451, 22.2709



33.3912, 48.0451, 44.8062

Rectangle

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



42.9630, 48.0451, 101.6170



54.8466, 48.0451, 89.8968



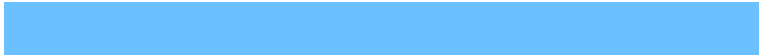
48.4789, 48.0451, 22.2709



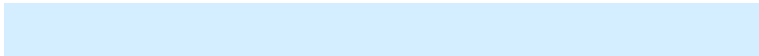
37.5707, 48.0451, 27.0075

Sweetspot

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



42.9645, 48.0467, 101.6172



75.2538, 81.4714, 106.3670



48.9548, 77.4984, 49.7527



15.6630, 17.0102, 22.7077



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.



42.9645, 48.0467, 101.6172



37.1938, 41.0240, 100.5658



30.7516, 23.6209, 97.5462



17.8693, 19.1102, 22.9968



14.9901, 14.8898, 51.5185



1.5679, 1.6665, 5.0523

Inverse Universe

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



56.0132, 35.5827, 53.7868



51.9974, 29.7534, 45.6591



75.8453, 86.2239, 26.5572



18.4467, 18.1620, 20.9693



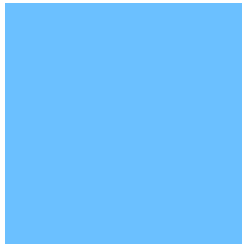
24.3545, 12.2311, 15.7833



2.4260, 1.2128, 1.8248

Previews

White Background



This preview shows how the XYZ color 42.9630, 48.0451, 101.6170 looks on a white background.

Color Contrast Check

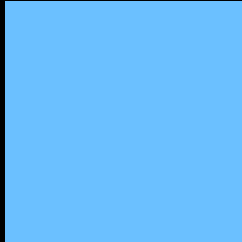
Large Text (above 18pt) WCAG AA × Fail

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 42.9630, 48.0451, 101.6170 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

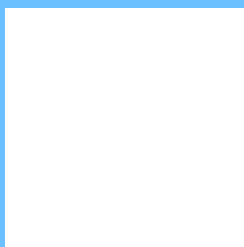
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9630, 48.0451, 101.6170

Background



This preview shows how black text looks on a background with the XYZ color 42.9630, 48.0451, 101.6170.



This preview shows how white text looks on a background with the XYZ color 42.9630, 48.0451,

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

42.9630, 48.0451, 101.6170

Protanopia

48.6755, 47.7009, 93.8305

Deuteranopia

48.6744, 47.5368, 101.2179



Tritanopia

37.0035, 47.9773, 71.6002

Trichromacy



Original Color

42.9630, 48.0451, 101.6170

Protanomaly

45.9494, 47.4668, 96.3627

Deuteranomaly

46.0464, 47.4069, 101.3313

Tritanomaly

38.9526, 47.7344, 82.0236

Monochromacy



Original Color

42.9630, 48.0451, 101.6170

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.8810, 43.8436, 62.8606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9630, 48.0451, 101.6170 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(107, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 192, 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(107, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9630, 48.0451, 101.6170 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(107, 192, 255) }
```


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

```
.border{ border-color:rgb(107, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 192,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9630, 48.0451, 101.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 192, 255) }
```

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

```
.background{ background-color: rgb(107,  
192, 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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