

Converting Colors

XYZ(42.5604, 49.8872, 77.6099)

Have a look what the booklet for
XYZ(42.5604, 49.8872, 77.6099)
contains.

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Color

**XYZ(42.7809, 50.1396,
77.9441)**

Conversions

Conversions Part 1

Format	Color
Hex	83C5E0
RGB	131, 197, 224
RGB Percent	51%, 77%, 88%
CMY	0.4863, 0.2274, 0.1216
CMYK	0.42, 0.12, 0.00, 0.12
HSL	197°, 60%, 70%
HSV	197°, 42%, 88%
XYZ	42.7809, 50.1396, 77.9441
YIQ	180.3440, -48.0030, -5.5950

Conversions

Conversions Part 2

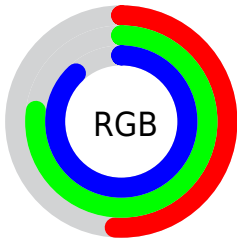
Format	Color
R _Y B	131, 170, 224
Decimal	8635872
CIE Lab	76.15, -14.04, -20.02
CIE LCh	76, 24.453, 234.972
Yxy	50.1396, 0.2504, 0.2934
Android (android.graphics.Color)	4286825952 (0xFF83C5E0)
YUV	180.3440, 21.5224, -43.2747
Hunter-Lab	70.8093, -16.0719, -15.6976

Details

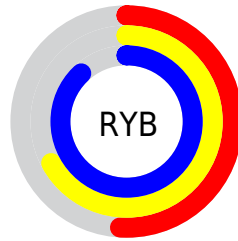
The XYZ color **42.7809, 50.1396, 77.9441** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.0651, 41.9408, 27.0891**, and the grayscale version is **43.4750, 45.7391, 49.8098**.

A 20% lighter version of the original color is **73.9853, 88.6684, 107.8230**, and **19.8855, 24.0053, 41.1215** is the 20% darker color. If you saturate the color by 10%, you get **38.2348, 45.6521, 77.3184**, and if you desaturate by 10%, it is **48.1438, 55.1450, 78.6285**.

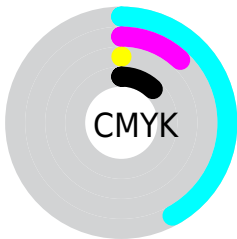
Distribution



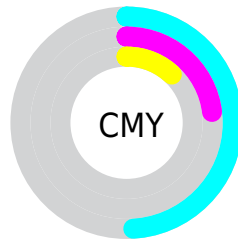
- Red (51%)
- Green (77%)
- Blue (88%)



- Red (51%)
- Yellow (67%)
- Blue (88%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7809, 50.1396, 77.9441 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 42.7809, 50.1396, 77.9441 by changing the saturation by 10% instead.

■ 42.7809, 50.1396,
77.9441

■ 42.7809, 50.1396,
77.9441

348.6468,
387.2116, 507.4999

■ 29.9070, 35.5243,
57.5119

■ 78.6379, 90.3817,
132.2565

■ 19.9157, 24.0671,
41.0043

■ 102.3517,
116.7773, 166.9737

■ 12.4417, 15.3834,
28.0027

■ 130.4096,
147.8684, 207.2897

■ 7.1196, 9.0889,
18.0886

163.1768,
184.0396, 253.6230

■ 3.5840, 4.7992,
10.8435

201.0188,
225.6751, 306.3921

■ 1.4696, 2.1299,
5.8489

244.3009,

■ 0.3050, 0.6814,

273.1593, 366.0156

2.6861

293.3884,
326.8767, 432.9120

■ 0.0000, 0.0000,
0.9364

■ 0.0000, 0.0000,
0.0000

■ 42.7809, 50.1396,
77.9441

■ 42.7809, 50.1396,
77.9441

■ 38.2348, 45.6521,
77.3184

■ 48.1438, 55.1450,
78.6285

■ 34.4512, 41.6499,
76.7453

■ 54.3640, 60.6870,
79.3703

■ 31.3763, 38.1052,
76.2232

■ 61.4848, 66.7901,
80.1731

■ 28.9466, 34.9842,
75.7488

■ 69.5451, 73.4756,
81.0387

■ 27.0864, 32.2464,
75.3184

■ 78.5815, 80.7633,
81.9691

■ 25.8479, 30.1683,
74.9826

■ 84.6963, 86.6450,
82.7821

■ 86.6031, 90.4586,
83.4177

■ 88.5788, 94.4101,
84.0762

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



40.1148, 50.1396, 65.9410



42.7809, 50.1396, 77.9441



46.8889, 50.1396, 83.7483

Triad

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



42.7809, 50.1396, 77.9441



56.9721, 50.1396, 56.8327



44.0363, 50.1396, 34.7836

Complementary

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



42.7809, 50.1396, 77.9441



47.0651, 41.9408, 27.0891

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.



48.4318, 50.1396, 33.1374



42.7809, 50.1396, 77.9441



56.0881, 50.1396, 44.6288

Square

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



42.7809, 50.1396, 77.9441



55.2325, 50.1396, 70.3768



52.8885, 50.1396, 36.4452



40.8064, 50.1396, 41.3662

Rectangle

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



42.7809, 50.1396, 77.9441



49.9662, 50.1396, 82.7433



52.8885, 50.1396, 36.4452



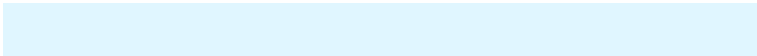
45.4185, 50.1396, 33.6842

Sweetspot

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



42.7825, 50.1415, 77.9453



81.9058, 89.1137, 107.4915



42.1328, 60.5840, 41.5300



17.2490, 18.8352, 22.9764



0.0000, 0.0000, 0.0000



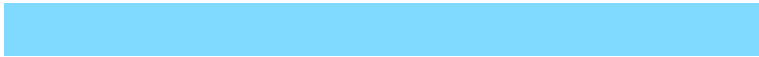
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7825, 50.1415, 77.9453



51.9447, 61.9058, 103.8190



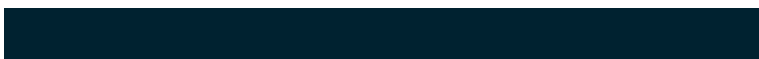
33.9068, 32.3903, 74.9867



13.7629, 14.8649, 17.5315



15.1487, 17.7669, 43.6793



1.1259, 1.3833, 3.0529

Inverse Universe

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



48.9362, 36.1127, 57.2165



61.5471, 41.6294, 71.1111



56.3956, 60.6017, 30.1992



14.1165, 13.8643, 16.3839



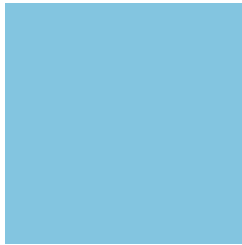
21.5866, 10.7016, 20.2864



1.5346, 0.7571, 1.6079

Previews

White Background



This preview shows how the XYZ color 42.7809, 50.1396, 77.9441 looks on a white background.

Color Contrast Check

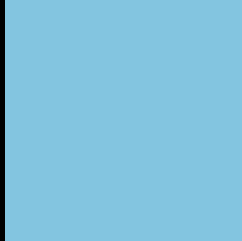
Large Text (above 18pt) WCAG AA × Fail

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 42.7809, 50.1396, 77.9441 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 42.7809, 50.1396, 77.9441

Background



This preview shows how black text looks on a background with the XYZ color 42.7809, 50.1396, 77.9441.



This preview shows how white text looks on a background with the XYZ color 42.7809, 50.1396,

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

42.7809, 50.1396, 77.9441

Protanopia

48.7997, 49.4795, 71.9442

Deuteranopia

50.8062, 49.7273, 79.5936



Tritanopia

41.5913, 50.3423, 71.8149

Trichromacy



Original Color

42.7809, 50.1396, 77.9441

Protanomaly

46.0880, 49.2962, 74.1039

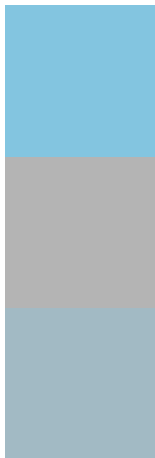
Deuteranomaly

47.2277, 49.4568, 79.0084

Tritanomaly

41.9022, 50.1172, 73.7948

Monochromacy



Original Color

42.7809, 50.1396, 77.9441

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.4230, 46.7847, 59.0190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7809, 50.1396, 77.9441 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(131, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 224)  
}
```

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(131, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 224) }
```

Border

The CSS property to change the border of an element to XYZ 42.7809, 50.1396, 77.9441 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(131, 197, 224) }
```


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

```
.border{ border-color:rgb(131, 197, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7809, 50.1396, 77.9441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 224) }
```

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

```
.background{ background-color: rgb(131,  
197, 224) }
```

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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