

Converting Colors

XYZ(41.9864, 48.0509, 86.1195)

Have a look what the booklet for
XYZ(41.9864, 48.0509, 86.1195)
contains.

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Color

**XYZ(42.0954, 48.2610,
86.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	79C1EC
RGB	121, 193, 236
RGB Percent	47%, 76%, 93%
CMY	0.5255, 0.2431, 0.0745
CMYK	0.49, 0.18, 0.00, 0.07
HSL	202°, 75%, 70%
HSV	202°, 49%, 93%
XYZ	42.0954, 48.2610, 86.4535
YIQ	176.3740, -56.7150, -1.8910

Conversions

Conversions Part 2

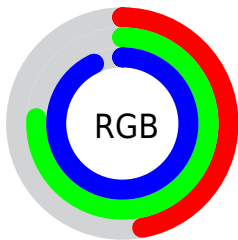
Format	Color
RYB	121, 165, 236
Decimal	7979500
CIELab	74.99, -11.07, -28.32
CIElCh	75, 30.407, 248.652
Yxy	48.2610, 0.2381, 0.2730
Android (android.graphics.Color)	4286169580 (0xFF79C1EC)
YUV	176.3740, 29.3956, -48.5630
Hunter-Lab	69.4701, -13.4107, -25.1555

Details

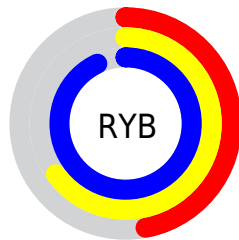
The XYZ color **42.0954, 48.2610, 86.4535** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.3199, 45.7656, 24.2195**, and the grayscale version is **41.3359, 43.4886, 47.3590**.

A 20% lighter version of the original color is **70.5161, 84.5551, 107.2119**, and **19.6029, 23.0756, 46.6009** is the 20% darker color. If you saturate the color by 10%, you get **37.2912, 42.9752, 85.6873**, and if you desaturate by 10%, it is **47.8281, 54.2002, 87.2986**.

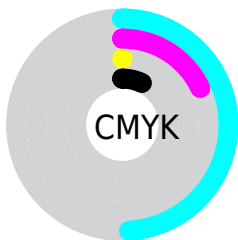
Distribution



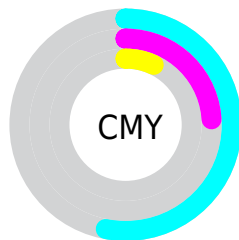
- Red (47%)
- Green (76%)
- Blue (93%)



- Red (47%)
- Yellow (65%)
- Blue (93%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0954, 48.2610, 86.4535 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 42.0954, 48.2610, 86.4535 by changing the saturation by 10% instead.

■ 42.0954, 48.2610,
86.4535

■ 42.0954, 48.2610,
86.4535

345.8632,
379.8257, 536.6949

■ 29.3674, 34.0336,
64.4860

■ 77.6082, 87.5929,
144.2943

■ 19.5046, 22.9194,
46.5957

■ 101.1238,
113.4662, 181.0047

■ 12.1416, 14.5340,
32.3641

■ 128.9660,
143.9902, 223.4665

■ 6.9131, 8.4930,
21.3727

161.5001,
179.5494, 272.0982

■ 3.4537, 4.4120,
13.2028

199.0916,
220.5282, 327.3183

■ 1.3980, 1.9066,
7.4360

242.1056,

■ 0.2548, 0.5523,

267.3109, 389.5454

3.6537

290.9077,
320.2820, 459.1981

■ 0.0000, 0.0000,
1.4373

■ 0.0000, 0.0000,
0.1706

■ 42.0954, 48.2610,
86.4535

■ 42.0954, 48.2610,
86.4535

■ 37.2912, 42.9752,
85.6873

■ 47.8281, 54.2002,
87.2986

■ 33.3486, 38.3025,
84.9932

■ 54.5405, 60.8192,
88.2224

■ 30.1988, 34.2052,
84.3684

■ 62.2853, 68.1490,
89.2290

■ 27.7589, 30.6374,
83.8083

■ 71.1101, 76.2168,
90.3212

■ 25.9068, 27.5331,
83.3067

■ 81.0592, 85.0483,
91.5014

■ 25.6925, 27.1603,
83.2461

■ 89.3207, 93.1966,
92.6388

■ 92.0681, 98.6915,
93.5546

■ 92.1405, 98.8362,
93.5787

Harmonies

Analogous

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



38.0330, 48.2610, 74.0362



42.0954, 48.2610, 86.4535



47.4944, 48.2610, 88.9136

Triad

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



42.0954, 48.2610, 86.4535



57.2473, 48.2610, 48.0841



39.5243, 48.2610, 32.1156

Complementary

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



42.0954, 48.2610, 86.4535



51.3199, 45.7656, 24.2195

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.



44.2843, 48.2610, 27.7591



42.0954, 48.2610, 86.4535



54.7173, 48.2610, 35.6806

Square

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



42.0954, 48.2610, 86.4535



56.5424, 48.2610, 64.4742



49.8651, 48.2610, 28.9176



36.6339, 48.2610, 42.1914

Rectangle

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



42.0954, 48.2610, 86.4535



51.1789, 48.2610, 84.1810



49.8651, 48.2610, 28.9176



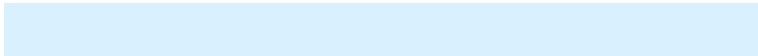
40.9427, 48.2610, 30.0365

Sweetspot

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



42.0970, 48.2628, 86.4547



77.9570, 84.6654, 106.8410



44.5077, 66.7073, 45.2603



16.2236, 17.6958, 22.8105



0.0000, 0.0000, 0.0000



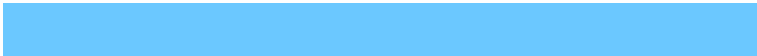
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0970, 48.2628, 86.4547



44.7101, 51.5213, 102.1959



31.8781, 27.8251, 83.0484



15.0170, 16.1204, 19.2423



14.2903, 15.2276, 45.9290



1.2139, 1.3793, 3.6371

Inverse Universe

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



51.0564, 35.3594, 54.5880



56.8983, 35.9523, 58.4000



63.8129, 70.7516, 28.3839



15.4621, 15.2127, 17.7188



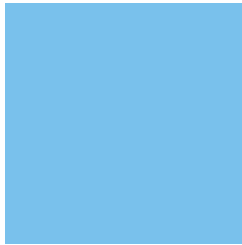
22.0684, 11.0300, 16.6933



1.7792, 0.8847, 1.5548

Previews

White Background



This preview shows how the XYZ color 42.0954, 48.2610, 86.4535 looks on a white background.

Color Contrast Check

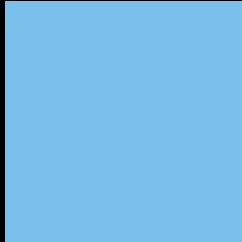
Large Text (above 18pt) WCAG AA × Fail

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 42.0954, 48.2610, 86.4535 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

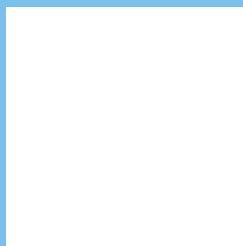
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0954, 48.2610, 86.4535

Background



This preview shows how black text looks on a background with the XYZ color 42.0954, 48.2610, 86.4535.

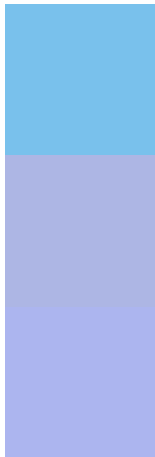


This preview shows how white text looks on a background with the XYZ color 42.0954, 48.2610,

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

42.0954, 48.2610, 86.4535

Protanopia

47.9651, 47.9416, 80.1244

Deuteranopia

49.1171, 48.0504, 88.3473



Tritanopia

38.9159, 48.3140, 70.2252

Trichromacy



Original Color

42.0954, 48.2610, 86.4535

Protanomaly

45.3091, 47.7574, 82.4314

Deuteranomaly

45.9184, 47.6433, 87.6648

Tritanomaly

40.1272, 48.4822, 75.6497

Monochromacy



Original Color

42.0954, 48.2610, 86.4535

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6313, 44.6010, 59.8934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0954, 48.2610, 86.4535 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(121, 193, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 193, 236)  
}
```

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(121, 193, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 193, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.0954, 48.2610, 86.4535 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(121, 193, 236) }
```


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

```
.border{ border-color:rgb(121, 193, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 193, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 193, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 193, 236);  
box-shadow:4px 4px 4px 4px rgb(121, 193,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0954, 48.2610, 86.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 193, 236) }
```

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

```
.background{ background-color: rgb(121,  
193, 236) }
```

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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