

Converting Colors

XYZ(42.6339, 48.0980, 86.0990)

Have a look what the booklet for
XYZ(42.6339, 48.0980, 86.0990)
contains.

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Color

**XYZ(42.7424, 48.2674,
86.4207)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7FC0EC |
| RGB | 127, 192, 236 |
| RGB Percent | 50%, 75%, 93% |
| CMY | 0.5019, 0.2470, 0.0745 |
| CMYK | 0.46, 0.19, 0.00, 0.07 |
| HSL | 204°, 74%, 71% |
| HSV | 204°, 46%, 93% |
| XYZ | 42.7424, 48.2674, 86.4207 |
| YIQ | 177.5810, -52.8640, -0.0960 |

Conversions

Conversions Part 2

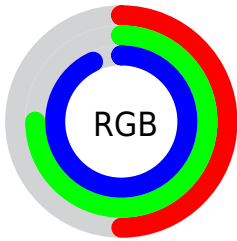
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 127, 168, 236 |
| Decimal | 8372460 |
| CIE Lab | 74.99, -9.14, -28.29 |
| CIE LCh | 75, 29.731, 252.089 |
| Yxy | 48.2674, 0.2409, 0.2720 |
| Android (android.graphics.Color) | 4286562540 (0xFF7FC0EC) |
| YUV | 177.5810, 28.8006, -44.3595 |
| Hunter-Lab | 69.4747, -11.7637, -25.1194 |

Details

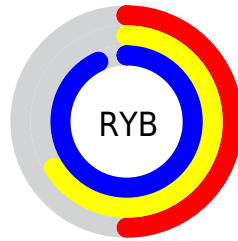
The XYZ color **42.7424, 48.2674, 86.4207** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.9872, 48.4927, 26.6478**, and the grayscale version is **41.9700, 44.1557, 48.0856**.

A 20% lighter version of the original color is **71.3846, 84.5452, 107.1642**, and **19.9251, 23.0257, 46.5743** is the 20% darker color. If you saturate the color by 10%, you get **37.6063, 42.6151, 85.6013**, and if you desaturate by 10%, it is **48.8402, 54.6185, 87.3261**.

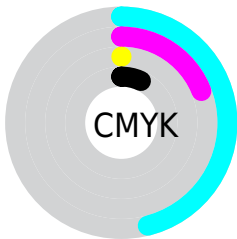
Distribution



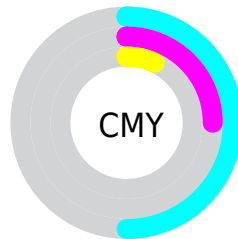
- Red (50%)
- Green (75%)
- Blue (93%)



- Red (50%)
- Yellow (66%)
- Blue (93%)



- Cyan (46%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7424, 48.2674, 86.4207 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 42.7424, 48.2674, 86.4207 by changing the saturation by 10% instead.

■ 42.7424, 48.2674,
86.4207

■ 42.7424, 48.2674,
86.4207

■ 348.4908,
379.8511, 536.5841

■ 29.8767, 34.0387,
64.4590

■ 78.5801, 87.6024,
144.2482

■ 19.8926, 22.9233,
46.5740

■ 102.2829,
113.4775, 180.9510

■ 12.4248, 14.5369,
32.3471

■ 130.3286,
144.0035, 223.4047

■ 7.1079, 8.4950,
21.3597

■ 163.0828,
179.5648, 272.0277

■ 3.5766, 4.4133,
13.1934

■ 200.9108,
220.5458, 327.2386

■ 1.4655, 1.9073,
7.4296

■ 244.1779,

■ 0.3022, 0.5528,

267.3309, 389.4560

3.6497

293.2494,
320.3046, 459.0983

■ 0.0000, 0.0000,
1.4352

■ 0.0000, 0.0000,
0.1689

■ 42.7424, 48.2674,
86.4207

■ 42.7424, 48.2674,
86.4207

■ 37.6063, 42.6151,
85.6013

■ 48.8402, 54.6185,
87.3261

■ 33.3663, 37.6211,
84.8608

■ 55.9501, 61.6950,
88.3172

■ 29.9553, 33.2477,
84.1965

■ 64.1245, 69.5285,
89.3984

■ 27.2936, 29.4501,
83.6037

■ 73.4103, 78.1467,
90.5725

■ 25.2826, 26.1730,
83.0772

■ 83.8519, 87.5759,
91.8422

■ 24.6263, 25.0278,
82.8907

■ 90.3065, 95.1682,
92.9675

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

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



38.5618, 48.2674, 75.2339



42.7424, 48.2674, 86.4207



48.0965, 48.2674, 87.5197

Triad

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



42.7424, 48.2674, 86.4207



56.8530, 48.2674, 46.5426



39.2331, 48.2674, 33.3539

Complementary

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



42.7424, 48.2674, 86.4207



52.9872, 48.4927, 26.6478

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.



43.7263, 48.2674, 28.4182



42.7424, 48.2674, 86.4207



54.0627, 48.2674, 34.9639

Square

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



42.7424, 48.2674, 86.4207



56.5372, 48.2674, 62.2900



49.1606, 48.2674, 28.9428



36.6483, 48.2674, 43.8911

Rectangle

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



42.7424, 48.2674, 86.4207



51.6452, 48.2674, 82.1510



49.1606, 48.2674, 28.9428



40.5546, 48.2674, 31.0877

Sweetspot

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



42.7440, 48.2692, 86.4219



78.6875, 84.9942, 106.8660



46.0620, 67.4292, 48.9177



16.3537, 17.7332, 22.8109



0.0000, 0.0000, 0.0000



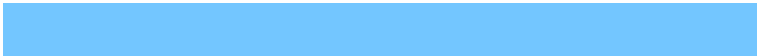
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7440, 48.2692, 86.4219



45.3697, 51.4125, 102.1401



32.9685, 28.7183, 83.1634



14.9781, 16.0427, 19.2294



13.7046, 14.0561, 45.7338



1.1701, 1.2916, 3.6225

Inverse Universe

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



51.6973, 36.8191, 54.2529



57.5798, 37.5596, 57.8744



65.3763, 73.2709, 30.7775



15.4425, 15.2049, 17.6156



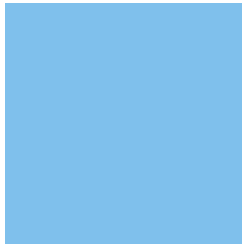
21.7727, 10.9118, 15.1364



1.7571, 0.8758, 1.4382

Previews

White Background



This preview shows how the XYZ color 42.7424, 48.2674, 86.4207 looks on a white background.

Color Contrast Check

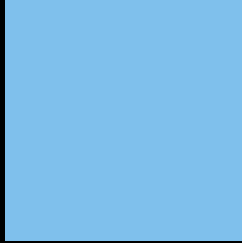
Large Text (above 18pt) WCAG AA × Fail

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 42.7424, 48.2674, 86.4207 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 42.7424, 48.2674, 86.4207

Background



This preview shows how black text looks on a background with the XYZ color 42.7424, 48.2674, 86.4207.



This preview shows how white text looks on a background with the XYZ color 42.7424, 48.2674,

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

42.7424, 48.2674, 86.4207

Protanopia

48.1044, 47.9973, 80.8578

Deuteranopia

48.9697, 47.9914, 87.5712



Tritanopia

39.3693, 48.2264, 69.5210

Trichromacy



Original Color

42.7424, 48.2674, 86.4207

Protanomaly

45.8347, 48.0119, 83.1954

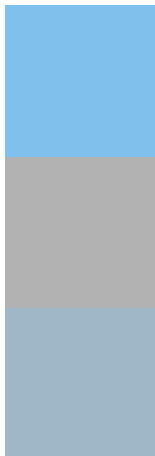
Deuteranomaly

46.3453, 47.8803, 86.9199

Tritanomaly

40.7346, 48.4616, 75.6137

Monochromacy



Original Color

42.7424, 48.2674, 86.4207

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.5404, 45.3614, 60.5990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7424, 48.2674, 86.4207 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(127, 192, 236)` looks like.

```
.text, #text, p{  
    color:rgb(127, 192, 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(127, 192, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 192, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.7424, 48.2674, 86.4207 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(127, 192, 236) }
```


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

```
.border{ border-color:rgb(127, 192, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 192, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 192, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 192, 236);  
box-shadow:4px 4px 4px 4px rgb(127, 192,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7424, 48.2674, 86.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 192, 236) }
```

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

```
.background{ background-color: rgb(127,  
192, 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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