

Converting Colors

XYZ(42.8711, 48.2729, 74.7376)

Have a look what the booklet for
XYZ(42.8711, 48.2729, 74.7376)
contains.

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Color

**XYZ(42.8768, 48.2686,
74.7671)**

Conversions

Conversions Part 1

Format	Color
Hex	8FBFDC
RGB	143, 191, 220
RGB Percent	56%, 75%, 86%
CMY	0.4392, 0.2510, 0.1372
CMYK	0.35, 0.13, 0.00, 0.14
HSL	203°, 52%, 71%
HSV	203°, 35%, 86%
XYZ	42.8768, 48.2686, 74.7671
YIQ	179.9540, -37.9170, -1.1570

Conversions

Conversions Part 2

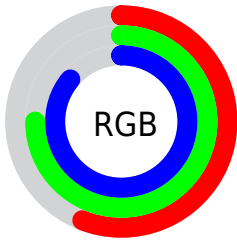
Format	Color
R_{YB}	143, 173, 220
Decimal	9420764
CIE _{Lab}	74.99, -8.75, -19.56
CIE _{LCh}	75, 21.427, 245.910
Yxy	48.2686, 0.2584, 0.2909
Android (android.graphics.Color)	4287610844 (0xFF8FBFDC)
YUV	179.9540, 19.7427, -32.4087
Hunter-Lab	69.4756, -11.4212, -15.1728

Details

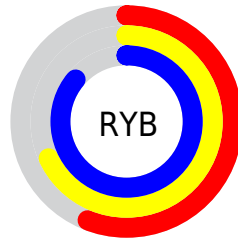
The XYZ color **42.8768, 48.2686, 74.7671** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.2265, 46.7046, 32.4084**, and the grayscale version is **43.2710, 45.5245, 49.5762**.

A 20% lighter version of the original color is **74.8640, 85.8836, 107.2392**, and **19.9998, 23.0174, 38.9860** is the 20% darker color. If you saturate the color by 10%, you get **37.6795, 42.9834, 74.0217**, and if you desaturate by 10%, it is **48.9262, 54.1470, 75.5837**.

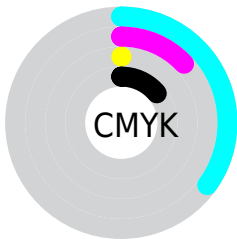
Distribution



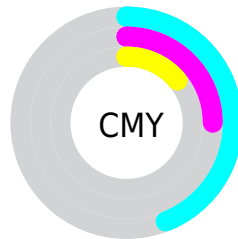
- Red (56%)
- Green (75%)
- Blue (86%)



- Red (56%)
- Yellow (68%)
- Blue (86%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (44%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8768, 48.2686, 74.7671 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 42.8768, 48.2686, 74.7671 by changing the saturation by 10% instead.

■ 42.8768, 48.2686,
74.7671

■ 42.8768, 48.2686,
74.7671

349.0350,
379.8558, 496.3507

■ 29.9826, 34.0396,
54.9215

■ 78.7818, 87.6042,
127.7267

■ 19.9734, 22.9241,
38.9407

■ 102.5232,
113.4796, 161.6778

■ 12.4838, 14.5374,
26.4061

130.6112,
144.0060, 201.1678

■ 7.1486, 8.4954,
16.8992

163.4109,
179.5677, 246.6153

■ 3.6024, 4.4135,
10.0015

201.2878,
220.5491, 298.4388

■ 1.4797, 1.9075,
5.2943

244.6072,

■ 0.3120, 0.5529,

267.3347, 357.0568

2.3592

293.7345,
320.3088, 422.8880

■ 0.0000, 0.0000,
0.7641

■ 0.0000, 0.0000,
0.0000

■ 42.8768, 48.2686,
74.7671

■ 42.8768, 48.2686,
74.7671

■ 37.6795, 42.9834,
74.0217

■ 48.9262, 54.1470,
75.5837

■ 33.2842, 38.2599,
73.3416

■ 55.8651, 60.6371,
76.4707

■ 29.6423, 34.0714,
72.7251

■ 63.7339, 67.7631,
77.4315

■ 26.6975, 30.3864,
72.1691

■ 72.5693, 75.5462,
78.4681

■ 24.3847, 27.1687,
71.6699

■ 82.4058, 84.0065,
79.5826

■ 22.6244, 24.3744,
71.2233

■ 85.5296, 89.1697,
80.4146

■ 21.8851, 23.1008,
71.0164

■ 88.0344, 94.1793,
81.2495

■ 89.9184, 97.9474,
81.8775

Harmonies

Analogous

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



40.0535, 48.2686, 66.2246



42.8768, 48.2686, 74.7671



46.6564, 48.2686, 77.0168

Triad

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



42.8768, 48.2686, 74.7671



53.7705, 48.2686, 50.3701



41.6077, 48.2686, 36.9736

Complementary

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



42.8768, 48.2686, 74.7671



49.2265, 46.7046, 32.4084

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.



45.1080, 48.2686, 33.9153



42.8768, 48.2686, 74.7671



52.2411, 48.2686, 40.9113

Square

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



42.8768, 48.2686, 74.7671



53.0899, 48.2686, 61.8447



49.0158, 48.2686, 35.2474



39.3505, 48.2686, 44.2478

Rectangle

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



42.8768, 48.2686, 74.7671



49.2423, 48.2686, 74.4021



49.0158, 48.2686, 35.2474



42.6702, 48.2686, 35.4693

Sweetspot

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



42.8783, 48.2705, 74.7682



83.2954, 89.5054, 107.4939



44.2950, 59.9763, 47.8881



17.4984, 18.8581, 22.9677



0.0000, 0.0000, 0.0000



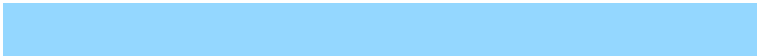
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8783, 48.2705, 74.7682



54.4601, 61.9374, 103.6925



35.6822, 33.8782, 72.3695



13.0114, 13.9626, 16.6614



12.9544, 13.7782, 41.7151



0.9211, 1.0564, 2.7298

Inverse Universe

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



48.7429, 38.6235, 54.1783



64.0370, 47.2976, 69.8192



57.4550, 63.1615, 35.1512



13.3956, 13.1874, 15.3447



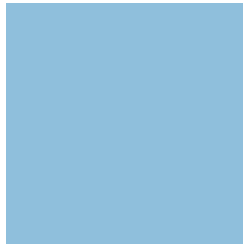
20.0341, 10.0147, 15.0915



1.3392, 0.6653, 1.1954

Previews

White Background



This preview shows how the XYZ color 42.8768, 48.2686, 74.7671 looks on a white background.

Color Contrast Check

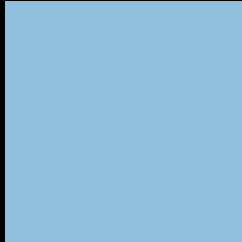
Large Text (above 18pt) WCAG AA × Fail

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 42.8768, 48.2686, 74.7671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

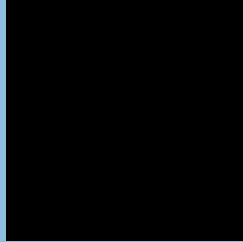
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8768, 48.2686, 74.7671

Background



This preview shows how black text looks on a background with the XYZ color 42.8768, 48.2686, 74.7671.



This preview shows how white text looks on a background with the XYZ color 42.8768, 48.2686,

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

42.8768, 48.2686, 74.7671

Protanopia

47.4312, 48.1870, 70.4195

Deuteranopia

49.0345, 47.9837, 75.7846



Tritanopia

41.2703, 48.2694, 66.8163

Trichromacy



Original Color

42.8768, 48.2686, 74.7671

Protanomaly

45.4706, 48.0750, 71.8486

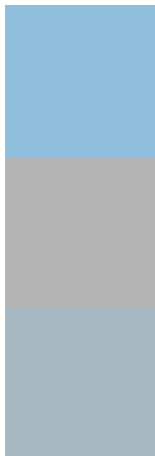
Deuteranomaly

46.3401, 47.8263, 75.1956

Tritanomaly

41.7178, 48.1155, 69.3758

Monochromacy



Original Color

42.8768, 48.2686, 74.7671

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.9272, 46.4366, 58.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8768, 48.2686, 74.7671 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(143, 191, 220)` looks like.

```
.text, #text, p{  
    color:rgb(143, 191, 220)  
}
```

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(143, 191, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 191, 220) }
```

Border

The CSS property to change the border of an element to XYZ 42.8768, 48.2686, 74.7671 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(143, 191, 220) }
```


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

```
.border{ border-color:rgb(143, 191, 220) }
```

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

Here you see how a box with a 4 pixel rgb(143, 191, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 191, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 191, 220);  
box-shadow:4px 4px 4px 4px rgb(143, 191,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8768, 48.2686, 74.7671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 191, 220) }
```

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

```
.background{ background-color: rgb(143,  
191, 220) }
```

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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