

Converting Colors

XYZ(64.0735, 74.9149, 94.2924)

Have a look what the booklet for
XYZ(64.0735, 74.9149, 94.2924)
contains.

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Color

**XYZ(64.1224, 74.8998,
94.2966)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EAF1
RGB	180, 234, 241
RGB Percent	71%, 92%, 95%
CMY	0.2941, 0.0823, 0.0549
CMYK	0.25, 0.03, 0.00, 0.05
HSL	187°, 69%, 83%
HSV	187°, 25%, 95%
XYZ	64.1224, 74.8998, 94.2966
YIQ	218.6520, -34.4310, -9.2710

Conversions

Conversions Part 2

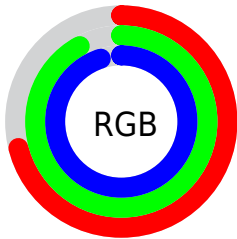
Format	Color
R _Y B	180, 209, 241
Decimal	11856625
CIE Lab	89.35, -15.55, -9.01
CIE LCh	89, 17.973, 210.074
Yxy	74.8998, 0.2748, 0.3210
Android (android.graphics.Color)	4290046705 (0xFFB4EAF1)
YUV	218.6520, 11.0176, -33.8978
Hunter-Lab	86.5447, -19.1995, -4.0194

Details

The XYZ color **64.1224, 74.8998, 94.2966** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.2850, 57.5371, 51.0046**, and the grayscale version is **67.0359, 70.5270, 76.8039**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.2815, 39.7792, 51.8230** is the 20% darker color. If you saturate the color by 10%, you get **58.2121, 70.6955, 93.7978**, and if you desaturate by 10%, it is **71.0249, 79.6376, 94.8485**.

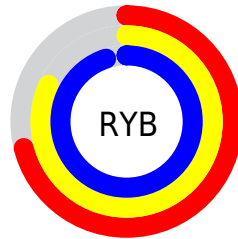
Distribution



Red (71%)

Green (92%)

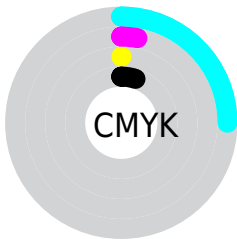
Blue (95%)



Red (71%)

Yellow (82%)

Blue (95%)

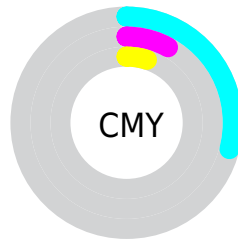


Cyan (25%)

Magenta (3%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (8%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1224, 74.8998, 94.2966 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 64.1224, 74.8998, 94.2966 by changing the saturation by 10% instead.

64.1224, 74.8998,
94.2966

64.1224, 74.8998,
94.2966

429.2267,
477.5731, 562.8374

47.0119, 55.5308,
70.9560

109.8599,
126.1705, 155.2797

33.2530, 39.8269,
51.8247

139.2177,
158.8410, 193.7593

22.4805, 27.4036,
36.4841

173.3885,
196.7142, 238.1223

14.3290, 17.8766,
24.5156

212.7378,
240.1743, 288.7872

8.4331, 10.8614,
15.5008

257.6309,
289.6059, 346.1727

4.4274, 5.9737,
9.0211

308.4332,

1.9467, 2.8291,

345.3933, 410.6971

4.6580

365.5100,
407.9209, 482.7792

■ 0.6037, 1.0432,
1.9928

■ 0.0000, 0.0000,
0.5508

■ 64.1224, 74.8998,
94.2966

■ 64.1224, 74.8998,
94.2966

■ 58.2121, 70.6955,
93.7978

■ 71.0249, 79.6376,
94.8485

■ 53.2367, 66.9894,
93.3447

■ 78.9598, 84.9241,
95.4507

■ 49.1435, 63.7561,
92.9364

■ 87.9732, 90.7849,
96.1069

■ 45.8715, 60.9642,
92.5699

■ 89.7888, 92.9536,
96.4298

■ 43.3520, 58.5782,
92.2422

■ 90.6317, 94.6395,
96.7108

■ 41.5049, 56.5566,
91.9493

■ 91.4871, 96.3504,
96.9959

■ 40.2316, 54.8485,
91.6867

■ 92.3552, 98.0866,
97.2853

■ 39.7614, 54.1190,
91.5707

■ 92.8774, 99.1310,
97.4594

Harmonies

Analogous

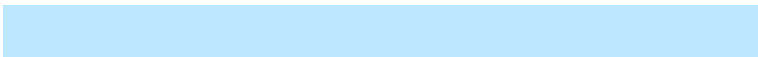
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.0669, 74.8998, 81.5844



64.1224, 74.8998, 94.2966



67.0555, 74.8998, 104.3858

Triad

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



64.1224, 74.8998, 94.2966



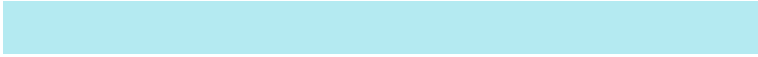
78.7704, 74.8998, 94.2369



71.1791, 74.8998, 59.6601

Complementary

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



64.1224, 74.8998, 94.2966



62.2850, 57.5371, 51.0046

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.



75.4910, 74.8998, 62.3193



64.1224, 74.8998, 94.2966



79.9823, 74.8998, 81.5219

Square

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



64.1224, 74.8998, 94.2966



75.5107, 74.8998, 104.3489



78.7588, 74.8998, 70.0129



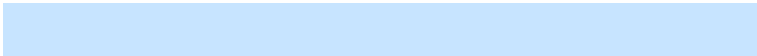
67.0374, 74.8998, 62.3454

Rectangle

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



64.1224, 74.8998, 94.2966



69.7428, 74.8998, 107.8004



78.7588, 74.8998, 70.0129



72.6571, 74.8998, 59.9548

Sweetspot

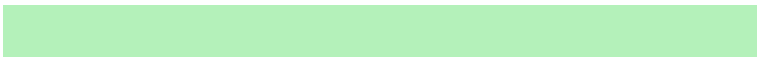
The Sweet Spot groups the original color and five complimentary colors.



64.1246, 74.9028, 94.2983



87.1970, 94.8502, 108.3199



59.1527, 76.1647, 58.0953



18.3665, 20.1046, 23.1625



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.



64.1246, 74.9028, 94.2983



69.5492, 82.7926, 106.9227



56.3892, 59.4319, 91.7198



16.0835, 17.6012, 20.2713



21.6254, 29.4751, 49.6773



1.8426, 2.5392, 4.1472

Inverse Universe

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



67.4500, 57.2856, 85.3475



73.9291, 59.9678, 95.0482



69.2251, 71.4173, 53.3180



16.3716, 15.9984, 19.5131



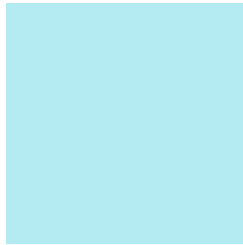
26.2411, 12.7689, 35.5159



2.2050, 1.0710, 3.0704

Previews

White Background



This preview shows how the XYZ color 64.1224, 74.8998, 94.2966 looks on a white background.

Color Contrast Check

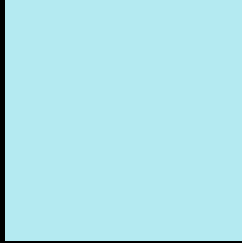
Large Text (above 18pt) WCAG AA × Fail

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 64.1224, 74.8998, 94.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

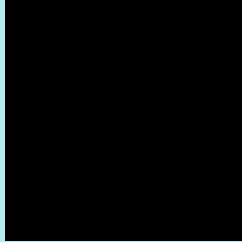
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1224, 74.8998, 94.2966

Background



This preview shows how black text looks on a background with the XYZ color 64.1224, 74.8998, 94.2966.

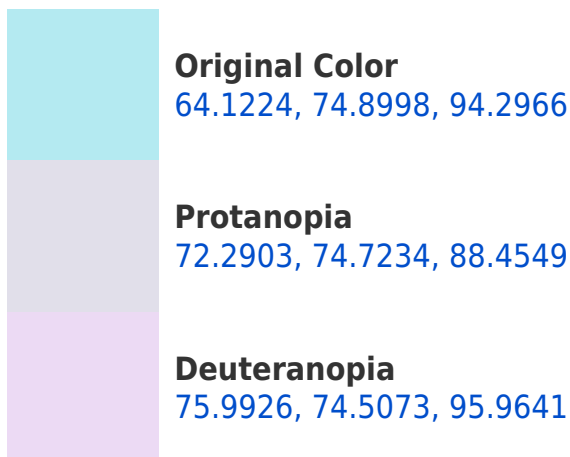


This preview shows how white text looks on a background with the XYZ color 64.1224, 74.8998,

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

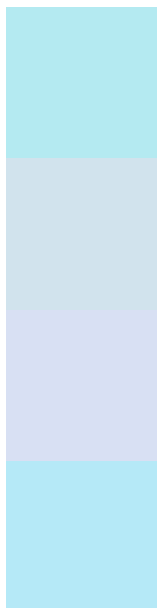




Tritanopia

65.5606, 74.6233, 102.2151

Trichromacy



Original Color

64.1224, 74.8998, 94.2966

Protanomaly

69.0496, 74.6079, 90.8822

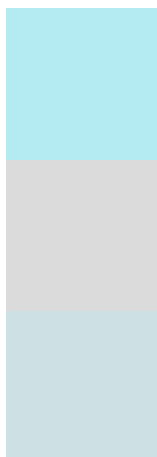
Deuteranomaly

71.1522, 74.3813, 95.4009

Tritanomaly

64.9835, 74.8170, 99.0118

Monochromacy



Original Color

64.1224, 74.8998, 94.2966

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.6976, 71.8365, 83.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1224, 74.8998, 94.2966 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(180, 234, 241)` looks like.

```
.text, #text, p{  
    color:rgb(180, 234, 241)  
}
```

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(180, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 234, 241) }
```

Border

The CSS property to change the border of an element to XYZ 64.1224, 74.8998, 94.2966 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(180, 234, 241) }
```


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

```
.border{ border-color:rgb(180, 234, 241) }
```

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

Here you see how a box with a 4 pixel rgb(180, 234, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(180, 234,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1224, 74.8998, 94.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 234, 241) }
```

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

```
.background{ background-color: rgb(180,  
234, 241) }
```

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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