

# Converting Colors

XYZ(65.5413, 74.7628, 99.0750)

Have a look what the booklet for  
XYZ(65.5413, 74.7628, 99.0750)  
contains.

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# Color

**XYZ(65.4123, 74.6190,  
98.9510)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B8E8F7                      |
| RGB         | 184, 232, 247               |
| RGB Percent | 72%, 91%, 97%               |
| CMY         | 0.2784, 0.0902, 0.0314      |
| CMYK        | 0.26, 0.06, 0.00, 0.03      |
| HSL         | 194°, 80%, 85%              |
| HSV         | 194°, 26%, 97%              |
| XYZ         | 65.4123, 74.6190, 98.9510   |
| YIQ         | 219.3580, -33.4230, -5.5110 |

# Conversions

## Conversions Part 2

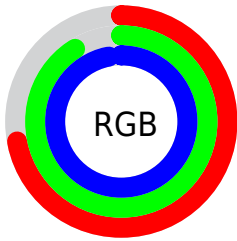
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <a href="#">RYB</a>                 | 184, 211, 247                  |
| Decimal                             | 12118263                       |
| CIELab                              | 89.21, -12.06, -12.32          |
| CIELCh                              | 89, 17.243, 225.601            |
| Yxy                                 | 74.6190, 0.2737,<br>0.3122     |
| Android<br>(android.graphics.Color) | 4290308343<br>(0xFFB8E8F7)     |
| YUV                                 | 219.3580, 13.6275,<br>-31.0090 |
| Hunter-Lab                          | 86.3823, -16.0013,<br>-7.4492  |

# Details

The XYZ color **65.4123, 74.6190, 98.9510** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4338, 64.0821, 54.1640**, and the grayscale version is **67.5072, 71.0229, 77.3439**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.9826, 39.4794, 55.1194** is the 20% darker color. If you saturate the color by 10%, you get **58.3772, 68.5779, 98.1570**, and if you desaturate by 10%, it is **73.5403, 81.3094, 99.8152**.

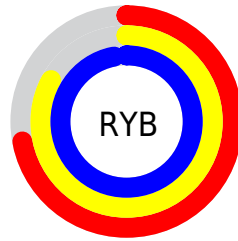
# Distribution



Red (72%)

Green (91%)

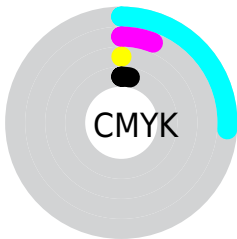
Blue (97%)



Red (72%)

Yellow (83%)

Blue (97%)

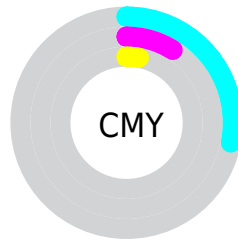


Cyan (26%)

Magenta (6%)

Yellow (0%)

Black (3%)



Cyan (28%)

Magenta (9%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4123, 74.6190, 98.9510 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 65.4123, 74.6190, 98.9510 by changing the saturation by 10% instead.



65.4123, 74.6190,  
98.9510

65.4123, 74.6190,  
98.9510

433.7940,  
476.6070, 578.0421

48.0614, 55.3008,  
74.8128

111.7048,  
125.7729, 161.7542

34.0870, 39.6426,  
54.9587

141.3772,  
158.3774, 201.2562

23.1236, 27.2600,  
38.9703

175.8874,  
196.1795, 246.7165

14.8060, 17.7686,  
26.4290

215.6008,  
239.5635, 298.5537

8.7688, 10.7840,  
16.9162

260.8829,  
288.9138, 357.1863

4.6466, 5.9218,  
10.0134

312.0988,

2.0740, 2.7976,

344.6150, 423.0329

5.3021

369.6141,  
407.0512, 496.5120

■ 0.6750, 1.0270,  
2.3638

■ 0.0000, 0.0000,  
0.7666

■ 65.4123, 74.6190,  
98.9510

■ 65.4123, 74.6190,  
98.9510

■ 58.3772, 68.5779,  
98.1570

■ 73.5403, 81.3094,  
99.8152

■ 52.3741, 63.1484,  
97.4254

■ 82.8047, 88.6668,  
100.7471

■ 47.3460, 58.3022,  
96.7550

■ 92.1039, 96.1259,  
101.6967

■ 43.2277, 54.0048,  
96.1426

■ 93.7887, 99.4955,  
102.2583

■ 39.9454, 50.2173,  
95.5845

■ 37.4132, 46.8947,  
95.0766

■ 35.5251, 43.9813,  
94.6138

■ 34.8152, 42.7683,  
94.4171

# Harmonies

## Analogous

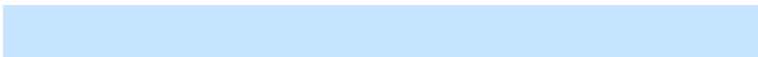
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.4132, 74.6190, 87.6391



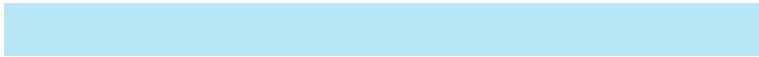
65.4123, 74.6190, 98.9510



68.9304, 74.6190, 105.8180

# Triad

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



65.4123, 74.6190, 98.9510



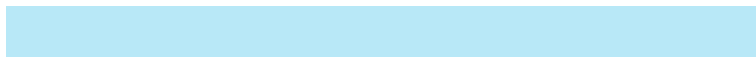
79.0510, 74.6190, 87.1460



68.7696, 74.6190, 60.9129

# Complementary

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



65.4123, 74.6190, 98.9510



67.4338, 64.0821, 54.1640

# 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.



72.9539, 74.6190, 60.8091



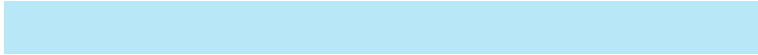
65.4123, 74.6190, 98.9510



79.0038, 74.6190, 75.1742

# Square

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



65.4123, 74.6190, 98.9510



76.8617, 74.6190, 98.5593



76.7351, 74.6190, 65.7923

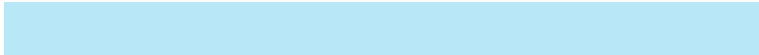


65.2986, 74.6190, 66.0916



# Rectangle

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



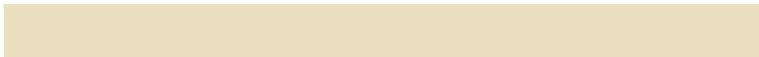
65.4123, 74.6190, 98.9510



71.7157, 74.6190, 106.5557



76.7351, 74.6190, 65.7923



70.1364, 74.6190, 60.3018

# Sweetspot

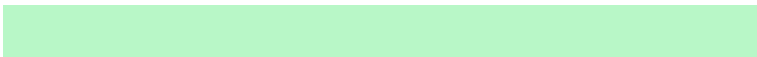
The Sweet Spot groups the original color and five complimentary colors.



65.4145, 74.6220, 98.9527



86.4093, 93.2747, 108.0573



63.3034, 80.8229, 66.1160



18.1669, 19.7054, 23.0960



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

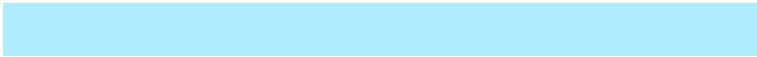


# Same Dimension

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



65.4145, 74.6220, 98.9527



65.9910, 76.5400, 105.9033



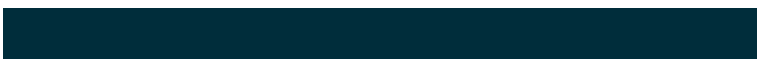
57.3973, 58.5876, 96.2803



16.6429, 18.0500, 21.1494



18.5276, 22.8489, 49.9718



1.7069, 2.1652, 4.4182



# Inverse Universe

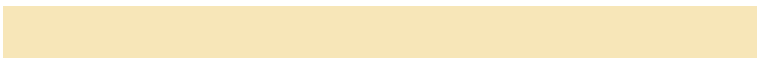
The Inverse Universe completely reimagines the original color for something new.



70.0656, 59.8831, 84.2131



71.9223, 58.3578, 86.9690



75.3634, 79.9414, 56.8072



17.0351, 16.6969, 19.9312



25.1564, 12.4060, 26.5955

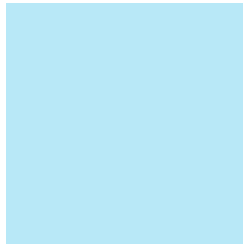


2.2506, 1.1062, 2.5462



# Previews

## White Background



This preview shows how the XYZ color 65.4123, 74.6190, 98.9510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

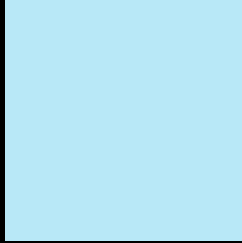
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4123, 74.6190, 98.9510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

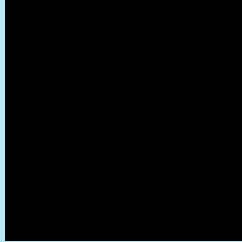
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.4123, 74.6190, 98.9510

## Background



This preview shows how black text looks on a background with the XYZ color 65.4123, 74.6190, 98.9510.



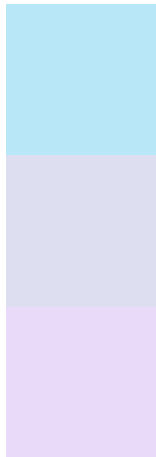
This preview shows how white text looks on a background with the XYZ color 65.4123, 74.6190,



# 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

65.4123, 74.6190, 98.9510

### Protanopia

72.1227, 74.1230, 93.7250

### Deuteranopia

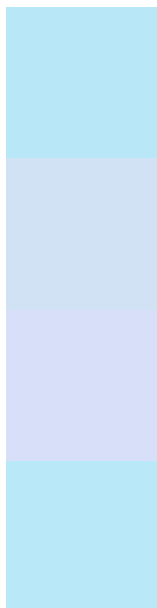
75.9310, 74.3686, 100.7951



## Tritanopia

66.1195, 74.9296, 101.4205

# Trichromacy



## Original Color

65.4123, 74.6190, 98.9510

## Protanomaly

69.3864, 74.2737, 95.4732

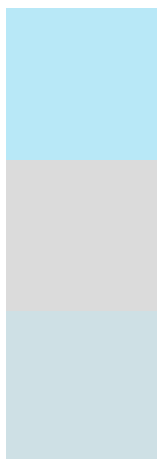
## Deuteranomaly

71.5109, 74.0620, 100.1489

## Tritanomaly

65.9631, 74.8671, 100.5967

# Monochromacy



## Original Color

65.4123, 74.6190, 98.9510

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.2521, 72.0903, 84.5517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4123, 74.6190, 98.9510 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(184, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(184, 232, 247)  
}
```

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(184, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 232, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4123, 74.6190, 98.9510 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(184, 232, 247) }
```



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

```
.border{ border-color:rgb(184, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(184, 232,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4123, 74.6190, 98.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 232, 247) }
```

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

```
.background{ background-color: rgb(184,  
232, 247) }
```

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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