

# Converting Colors

XYZ(65.7854, 74.2319, 94.1154)

Have a look what the booklet for  
XYZ(65.7854, 74.2319, 94.1154)  
contains.

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# Color

**XYZ(65.6599, 74.0209,  
94.0459)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BFE6F1</a>
RGB	<a href="#">191, 230, 241</a>
RGB Percent	<a href="#">75%, 90%, 95%</a>
CMY	<a href="#">0.2510, 0.0980, 0.0549</a>
<a href="#">CMYK</a>	<a href="#">0.21, 0.05, 0.00, 0.05</a>
HSL	<a href="#">193°, 64%, 85%</a>
HSV	<a href="#">193°, 21%, 95%</a>
XYZ	<a href="#">65.6599, 74.0209, 94.0459</a>
YIQ	<a href="#">219.5930, -26.7750, -4.8470</a>

# Conversions

## Conversions Part 2

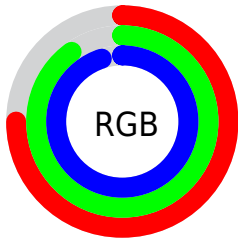
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 213, 241
Decimal	12576497
CIE Lab	88.93, -10.29, -9.55
CIE LCh	89, 14.041, 222.858
Yxy	74.0209, 0.2809, 0.3167
Android (android.graphics.Color)	4290766577 (0xFFBFE6F1)
YUV	219.5930, 10.5537, -25.0761
Hunter-Lab	86.0354, -14.3356, -4.5855

# Details

The XYZ color **65.6599, 74.0209, 94.0459** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8009, 64.7036, 58.2601**, and the grayscale version is **67.6879, 71.2130, 77.5509**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **34.2095, 39.0933, 51.6417** is the 20% darker color. If you saturate the color by 10%, you get **58.6385, 68.2464, 93.3026**, and if you desaturate by 10%, it is **73.7278, 80.4053, 94.8542**.

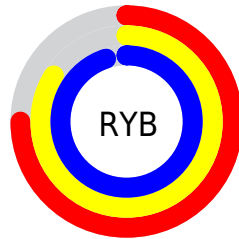
# Distribution



Red (75%)

Green (90%)

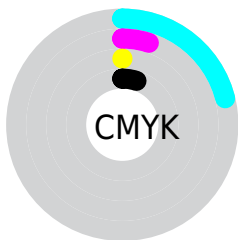
Blue (95%)



Red (75%)

Yellow (84%)

Blue (95%)

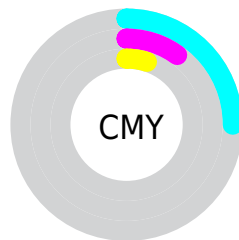


Cyan (21%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (25%)

Magenta (10%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6599, 74.0209, 94.0459 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 65.6599, 74.0209, 94.0459 by changing the saturation by 10% instead.



65.6599, 74.0209,  
94.0459

65.6599, 74.0209,  
94.0459

434.6674,  
474.5455, 562.0121

48.2631, 54.8111,  
70.7486

112.0585,  
124.9254, 154.9300

34.2474, 39.2505,  
51.6565

141.7910,  
157.3890, 193.3540

23.2475, 26.9547,  
36.3510

176.3660,  
195.0393, 237.6572

14.8981, 17.5392,  
24.4136

216.1490,  
238.2607, 288.2584

8.8337, 10.6197,  
15.4257

261.5053,  
287.4377, 345.5759

4.6891, 5.8117,  
8.9687

312.8002,

2.0989, 2.7309,

342.9545, 410.0283

4.6243

370.3991,  
405.1956, 482.0342

■ 0.6886, 0.9929,  
1.9737

■ 0.0000, 0.0000,  
0.5390

■ 65.6599, 74.0209,  
94.0459

■ 65.6599, 74.0209,  
94.0459

■ 58.6385, 68.2464,  
93.3026

■ 73.7278, 80.4053,  
94.8542

■ 52.6078, 63.0468,  
92.6168

■ 82.8814, 87.4146,  
95.7247

■ 47.5169, 58.3970,  
91.9876

■ 90.0448, 93.4657,  
96.5151

■ 43.3074, 54.2665,  
91.4122

■ 91.6794, 96.7349,  
97.0600

■ 39.9141, 50.6209,  
90.8874

■ 92.8774, 99.1310,  
97.4593

■ 37.2623, 47.4212,  
90.4096

■ 35.2629, 44.6208,  
89.9744

■ 33.8596, 42.3153,  
89.6034

# Harmonies

## Analogous

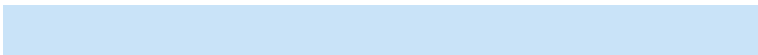
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1579, 74.0209, 84.8447



65.6599, 74.0209, 94.0459



68.4410, 74.0209, 99.8910

# Triad

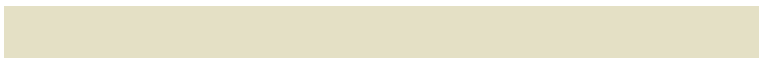
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.6599, 74.0209, 94.0459



76.8036, 74.0209, 86.2548



68.9066, 74.0209, 63.6504

# Complementary

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



65.6599, 74.0209, 94.0459



66.8009, 64.7036, 58.2601

# Split Complementary

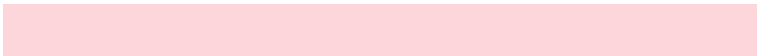
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3037, 74.0209, 63.9612



65.6599, 74.0209, 94.0459



76.9381, 74.0209, 76.4919

# Square

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



65.6599, 74.0209, 94.0459



74.9063, 74.0209, 95.1497



75.2680, 74.0209, 68.4941



65.9913, 74.0209, 67.6079



# Rectangle

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



65.6599, 74.0209, 94.0459



70.6818, 74.0209, 100.8289



75.2680, 74.0209, 68.4941



70.0285, 74.0209, 63.2691

# Sweetspot

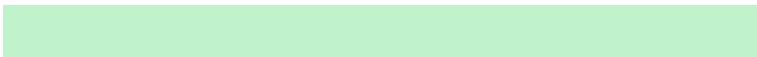
The Sweet Spot groups the original color and five complimentary colors.



65.6621, 74.0239, 94.0476



88.5793, 95.0845, 108.2923



63.5835, 78.2447, 67.5268



18.8148, 20.2409, 23.1652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

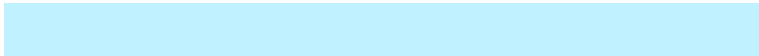


# Same Dimension

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



65.6621, 74.0239, 94.0476



71.0478, 81.2268, 106.5415



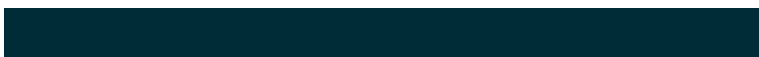
59.2358, 61.1713, 91.9055



15.9353, 17.3046, 20.2219



18.4651, 23.1545, 48.6239



1.6081, 2.0701, 4.0690



# Inverse Universe

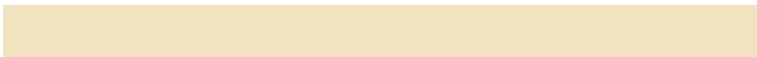
The Inverse Universe completely reimagines the original color for something new.



69.1911, 61.6773, 83.1245



75.7994, 64.9803, 91.7498



73.1045, 77.3108, 60.3613



16.2968, 15.9684, 19.1189



24.6460, 12.1308, 27.1160

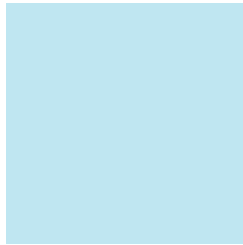


2.0866, 1.0237, 2.4470



# Previews

## White Background



This preview shows how the XYZ color 65.6599, 74.0209, 94.0459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

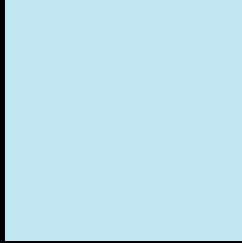
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6599, 74.0209, 94.0459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

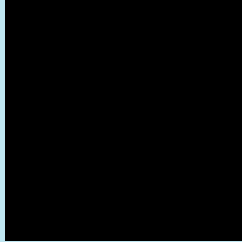
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.6599, 74.0209, 94.0459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.6599, 74.0209, 94.0459.



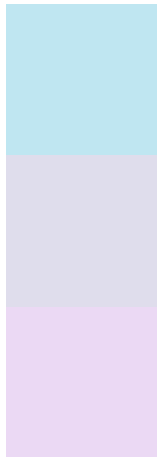
This preview shows how white text looks on a background with the XYZ color 65.6599, 74.0209,



# 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

65.6599, 74.0209, 94.0459

### Protanopia

71.4282, 73.4570, 89.7708

### Deuteranopia

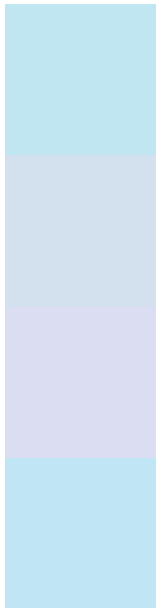
75.4029, 73.8195, 95.8624



## Tritanopia

66.5460, 73.9605, 98.7641

# Trichromacy



## Original Color

65.6599, 74.0209, 94.0459

## Protanomaly

68.9522, 73.3332, 91.4095

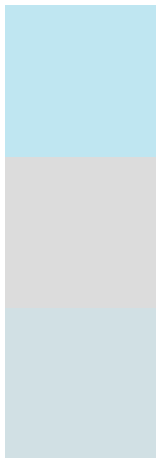
## Deuteranomaly

71.5124, 73.7737, 95.2647

## Tritanomaly

66.2390, 73.8377, 97.1471

# Monochromacy



## Original Color

65.6599, 74.0209, 94.0459

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.9537, 72.4681, 83.8577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6599, 74.0209, 94.0459 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(191, 230, 241)` looks like.

```
.text, #text, p{  
    color:rgb(191, 230, 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(191, 230, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 230, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6599, 74.0209, 94.0459 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(191, 230, 241) }
```



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

```
.border{ border-color:rgb(191, 230, 241) }
```

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

Here you see how a box with a 4 pixel rgb(191, 230, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 230, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 230, 241);  
box-shadow:4px 4px 4px 4px rgb(191, 230,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6599, 74.0209, 94.0459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 230, 241) }
```

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

```
.background{ background-color: rgb(191,  
230, 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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