

Converting Colors

XYZ(63.4045, 72.2459, 94.9321)

Have a look what the booklet for
XYZ(63.4045, 72.2459, 94.9321)
contains.

XYZ(63.5748, 72.5167, 94.6508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.5748, 72.5167,
94.6508)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E5F2
RGB	183, 229, 242
RGB Percent	72%, 90%, 95%
CMY	0.2823, 0.1019, 0.0510
CMYK	0.24, 0.05, 0.00, 0.05
HSL	193°, 69%, 83%
HSV	193°, 24%, 95%
XYZ	63.5748, 72.5167, 94.6508
YIQ	216.7280, -31.5890, -5.7090

Conversions

Conversions Part 2

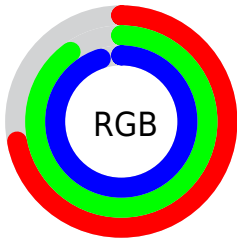
Format	Color
R_{YB}	183, 209, 242
Decimal	12051954
CIE _{Lab}	88.22, -11.94, -11.19
CIE _{LCh}	88, 16.363, 223.154
Yxy	72.5167, 0.2755, 0.3143
Android (android.graphics.Color)	4290242034 (0xFFB7E5F2)
YUV	216.7280, 12.4591, -29.5795
Hunter-Lab	85.1567, -15.7629, -6.2905

Details

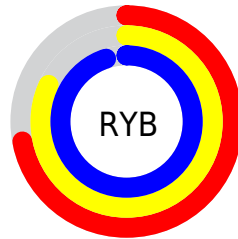
The XYZ color **63.5748, 72.5167, 94.6508** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9060, 61.7765, 53.3046**, and the grayscale version is **65.7018, 69.1234, 75.2754**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.0522, 38.4844, 52.1406** is the 20% darker color. If you saturate the color by 10%, you get **56.8542, 66.8975, 93.9216**, and if you desaturate by 10%, it is **71.3347, 78.7425, 95.4447**.

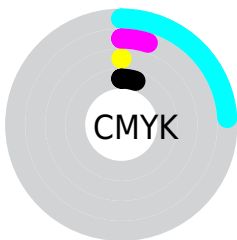
Distribution



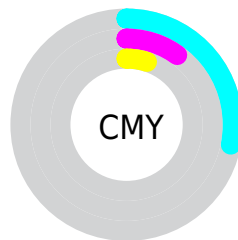
- Red (72%)
- Green (90%)
- Blue (95%)



- Red (72%)
- Yellow (82%)
- Blue (95%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (28%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5748, 72.5167, 94.6508 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 63.5748, 72.5167, 94.6508 by changing the saturation by 10% instead.

■ 63.5748, 72.5167,
94.6508

■ 63.5748, 72.5167,
94.6508

427.2791,
469.3381, 564.0022

■ 46.5668, 53.5809,
71.2491

■ 109.0755,
122.7909, 155.7735

■ 32.8998, 38.2667,
52.0624

138.2989,
154.8980, 194.3316

■ 22.2086, 26.1897,
36.6722

172.3248,
192.1643, 238.7789

■ 14.1277, 16.9656,
24.6600

211.5185,
234.9743, 289.5339

■ 8.2918, 10.2100,
15.6072

256.2455,
283.7122, 347.0152

■ 4.3356, 5.5384,
9.0953

306.8710,

■ 1.8937, 2.5665,

338.7626, 411.6413

4.7057

363.7604,
400.5097, 483.8308

■ 0.5732, 0.9099,
2.0200

■ 0.0000, 0.0000,
0.5675

■ 63.5748, 72.5167,
94.6508

■ 63.5748, 72.5167,
94.6508

■ 56.8542, 66.8975,
93.9216

■ 71.3347, 78.7425,
95.4447

■ 51.1153, 61.8493,
93.2497

■ 80.1747, 85.5912,
96.3007

■ 46.3048, 57.3457,
92.6339

■ 89.9191, 92.9745,
97.2123

■ 42.3615, 53.3547,
92.0714

■ 91.5552, 96.2469,
97.7577

■ 39.2164, 49.8399,
91.5588

■ 93.0272, 99.1909,
98.2483

■ 36.7895, 46.7596,
91.0921

■ 34.9830, 44.0627,
90.6668

■ 34.1581, 42.6727,
90.4420

Harmonies

Analogous

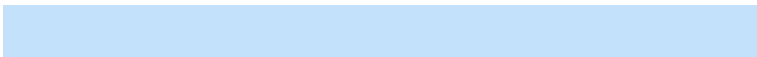
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8474, 72.5167, 83.9700



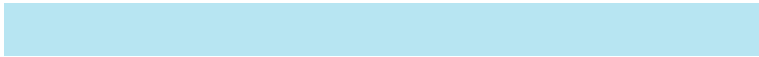
63.5748, 72.5167, 94.6508



66.7651, 72.5167, 101.4563

Triad

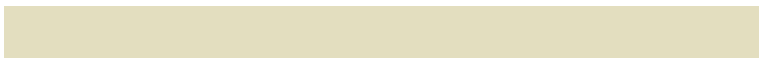
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.5748, 72.5167, 94.6508



76.3882, 72.5167, 85.3762



67.2250, 72.5167, 59.7603

Complementary

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



63.5748, 72.5167, 94.6508



64.9060, 61.7765, 53.3046

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.



71.1309, 72.5167, 60.0595



63.5748, 72.5167, 94.6508



76.5228, 72.5167, 74.1502

Square

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



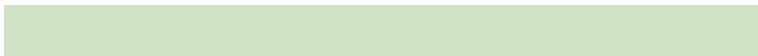
63.5748, 72.5167, 94.6508



74.2062, 72.5167, 95.7639



74.5671, 72.5167, 65.1039



63.9004, 72.5167, 64.2438

Rectangle

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



63.5748, 72.5167, 94.6508



69.3402, 72.5167, 102.5154



74.5671, 72.5167, 65.1039



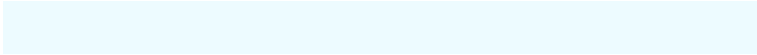
68.5113, 72.5167, 59.3185

Sweetspot

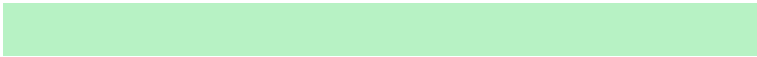
The Sweet Spot groups the original color and five complimentary colors.



63.5770, 72.5196, 94.6525



87.5435, 94.2870, 108.1929



61.2212, 77.5486, 63.8387



18.6056, 20.0795, 23.1451



0.0000, 0.0000, 0.0000



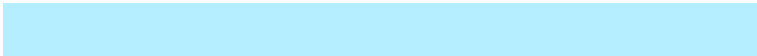
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5770, 72.5196, 94.6525



67.8992, 78.6126, 106.2028



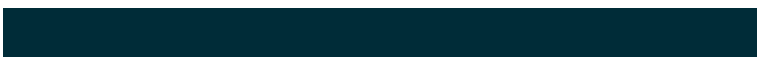
56.1458, 57.6572, 92.1754



15.9348, 17.3036, 20.2217



18.4554, 23.1350, 48.6207



1.6073, 2.0687, 4.0688

Inverse Universe

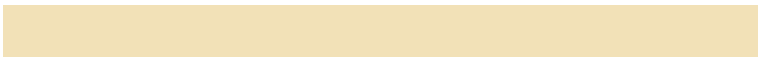
The Inverse Universe completely reimagines the original color for something new.



67.6961, 58.4032, 81.8370



73.3111, 60.5429, 89.2583



72.1685, 76.3014, 55.7254



16.2965, 15.9683, 19.1176



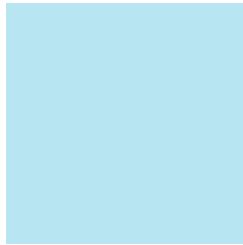
24.6410, 12.1288, 27.0900



2.0863, 1.0235, 2.4451

Previews

White Background



This preview shows how the XYZ color 63.5748, 72.5167, 94.6508 looks on a white background.

Color Contrast Check

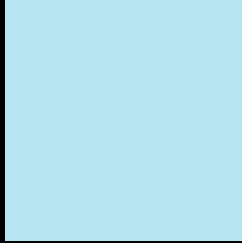
Large Text (above 18pt) WCAG AA × Fail

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 63.5748, 72.5167, 94.6508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

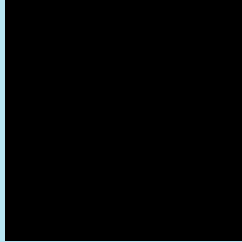
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5748, 72.5167, 94.6508

Background



This preview shows how black text looks on a background with the XYZ color 63.5748, 72.5167, 94.6508.

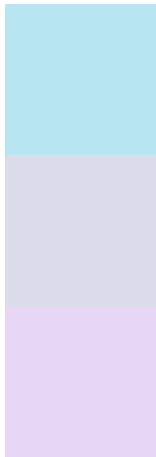


This preview shows how white text looks on a background with the XYZ color 63.5748, 72.5167,

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

63.5748, 72.5167, 94.6508

Protanopia

69.9870, 71.9348, 89.5530

Deuteranopia

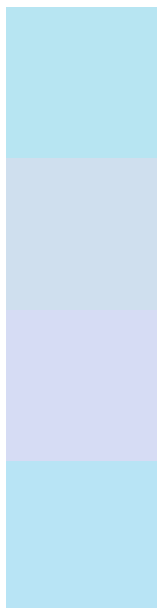
73.7369, 72.1824, 96.4324



Tritanopia

64.2991, 72.3926, 98.5799

Trichromacy



Original Color

63.5748, 72.5167, 94.6508

Protanomaly

67.5524, 72.2138, 91.2672

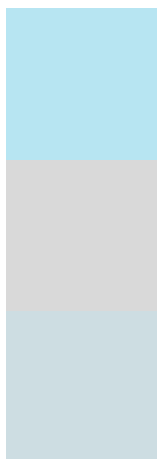
Deuteranomaly

69.6539, 72.0142, 95.8169

Tritanomaly

63.9920, 72.2697, 96.9629

Monochromacy



Original Color

63.5748, 72.5167, 94.6508

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.7608, 70.1830, 82.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5748, 72.5167, 94.6508 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(183, 229, 242)` looks like.

```
.text, #text, p{  
    color:rgb(183, 229, 242)  
}
```

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(183, 229, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 229, 242) }
```

Border

The CSS property to change the border of an element to XYZ 63.5748, 72.5167, 94.6508 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(183, 229, 242) }
```


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

```
.border{ border-color:rgb(183, 229, 242) }
```

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

Here you see how a box with a 4 pixel rgb(183, 229, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 229, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 229, 242);  
box-shadow:4px 4px 4px 4px rgb(183, 229,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5748, 72.5167, 94.6508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 229, 242) }
```

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

```
.background{ background-color: rgb(183,  
229, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor