

Converting Colors

XYZ(63.2891, 74.4399, 95.8348)

Have a look what the booklet for
XYZ(63.2891, 74.4399, 95.8348)
contains.

XYZ(63.2797, 74.4307, 95.8254)	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(63.2797, 74.4307,
95.8254)**

Conversions

Conversions Part 1

Format	Color
Hex	AFEAF3
RGB	175, 234, 243
RGB Percent	69%, 92%, 95%
CMY	0.3137, 0.0823, 0.0471
CMYK	0.28, 0.04, 0.00, 0.05
HSL	188°, 74%, 82%
HSV	188°, 28%, 95%
XYZ	63.2797, 74.4307, 95.8254
YIQ	217.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

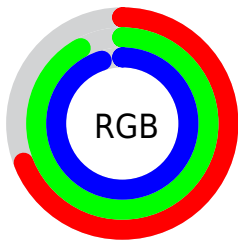
Format	Color
R_{YB}	175, 207, 243
Decimal	11528947
CIE _{Lab}	89.13, -16.53, -10.41
CIE _{LCh}	89, 19.538, 212.200
Yxy	74.4307, 0.2710, 0.3187
Android (android.graphics.Color)	4289719027 (0xFFAFEAF3)
YUV	217.3850, 12.6282, -37.1716
Hunter-Lab	86.2732, -20.0519, -5.4633

Details

The XYZ color **63.2797, 74.4307, 95.8254** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.8414, 56.4313, 48.1920**, and the grayscale version is **66.1540, 69.5991, 75.7935**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **32.6358, 39.4217, 52.9028** is the 20% darker color. If you saturate the color by 10%, you get **57.4023, 70.0560, 95.2920**, and if you desaturate by 10%, it is **70.1595, 79.3505, 96.4137**.

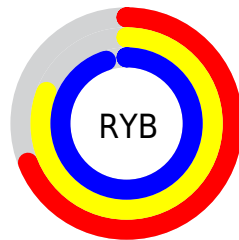
Distribution



Red (69%)

Green (92%)

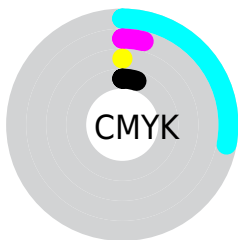
Blue (95%)



Red (69%)

Yellow (81%)

Blue (95%)

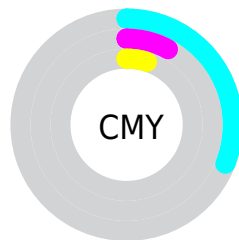


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (8%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2797, 74.4307, 95.8254 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 63.2797, 74.4307, 95.8254 by changing the saturation by 10% instead.

63.2797, 74.4307,
95.8254

63.2797, 74.4307,
95.8254

426.2274,
475.9585, 567.8557

46.3270, 55.1466,
72.2215

108.6525,
125.5062, 157.4098

32.7097, 39.5191,
52.8517

137.8033,
158.0663, 196.2274

22.0623, 27.1638,
37.2975

171.7509,
195.8207, 240.9532

14.0195, 17.6963,
25.1403

210.8605,
239.1536, 292.0059

8.2160, 10.7322,
15.9616

255.4977,
288.4494, 349.8040

4.2865, 5.8870,
9.3429

306.0276,

1.8654, 2.7765,

344.0926, 414.7659

4.8657

362.8158,
406.4675, 487.3103

■ 0.5566, 1.0162,
2.1113

■ 0.0000, 0.0000,
0.6225

■ 63.2797, 74.4307,
95.8254

■ 63.2797, 74.4307,
95.8254

■ 57.4023, 70.0560,
95.2920

■ 70.1595, 79.3505,
96.4137

■ 52.4680, 66.1902,
94.8059

■ 78.0839, 84.8318,
97.0540

■ 48.4212, 62.8063,
94.3660

■ 87.1007, 90.9011,
97.7502

■ 45.1980, 59.8713,
93.9694

■ 90.6375, 94.1704,
98.1949

■ 42.7255, 57.3474,
93.6126

■ 91.6286, 96.1525,
98.5252

■ 40.9178, 55.1902,
93.2915

■ 92.6367, 98.1687,
98.8613

■ 39.6574, 53.3391,
93.0006

■ 93.1779, 99.2512,
99.0417

■ 39.4347, 52.9848,
92.9439

Harmonies

Analogous

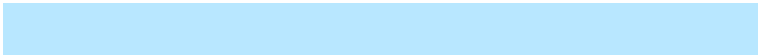
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.9882, 74.4307, 82.0525



63.2797, 74.4307, 95.8254



66.5615, 74.4307, 106.5061

Triad

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



63.2797, 74.4307, 95.8254



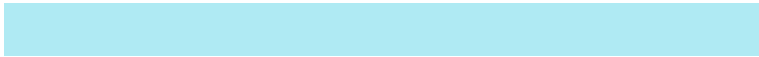
79.1516, 74.4307, 93.8902



70.3935, 74.4307, 57.5735

Complementary

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



63.2797, 74.4307, 95.8254



61.8414, 56.4313, 48.1920

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.



75.0985, 74.4307, 59.9998



63.2797, 74.4307, 95.8254



80.2881, 74.4307, 80.0405

Square

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



63.2797, 74.4307, 95.8254



75.7334, 74.4307, 105.3037



78.7737, 74.4307, 67.8637



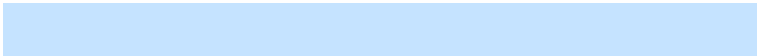
65.9790, 74.4307, 60.8268

Rectangle

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



63.2797, 74.4307, 95.8254



69.5094, 74.4307, 109.8795



78.7737, 74.4307, 67.8637



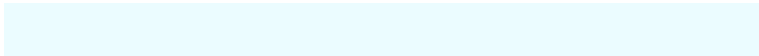
71.9934, 74.4307, 57.7513

Sweetspot

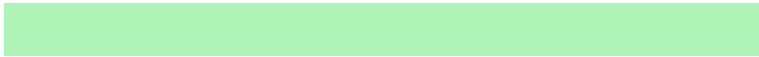
The Sweet Spot groups the original color and five complimentary colors.



63.2819, 74.4337, 95.8271



87.0840, 94.6241, 108.2822



58.2716, 76.6327, 56.4854



18.3378, 20.0472, 23.1529



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.



63.2819, 74.4337, 95.8271



66.4714, 79.9957, 106.5451



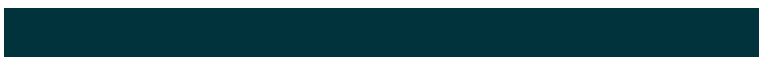
54.7606, 57.3911, 92.9867



16.7988, 18.3618, 21.2014



21.7148, 29.2234, 51.0342



1.9594, 2.6702, 4.5024

Inverse Universe

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



67.1452, 55.6569, 85.0492



71.5557, 55.8792, 92.2274



69.4971, 71.7427, 50.7439



17.1137, 16.7284, 20.3456



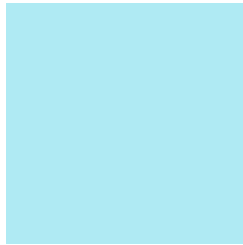
26.7651, 13.0495, 35.0672



2.3781, 1.1572, 3.2173

Previews

White Background



This preview shows how the XYZ color 63.2797, 74.4307, 95.8254 looks on a white background.

Color Contrast Check

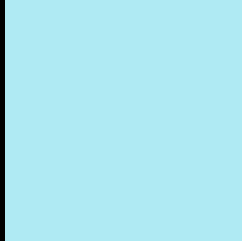
Large Text (above 18pt) WCAG AA × Fail

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 63.2797, 74.4307, 95.8254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

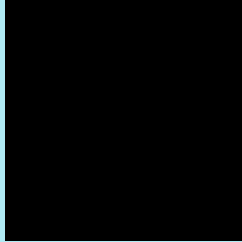
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2797, 74.4307, 95.8254

Background



This preview shows how black text looks on a background with the XYZ color 63.2797, 74.4307, 95.8254.



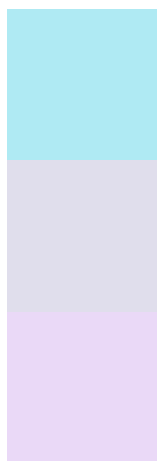
This preview shows how white text looks on a background with the XYZ color 63.2797, 74.4307,

95.8254.

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

63.2797, 74.4307, 95.8254

Protanopia

72.0021, 74.1460, 89.8736

Deuteranopia

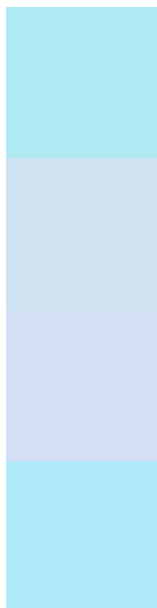
75.5330, 73.8335, 98.2660



Tritanopia

64.6830, 74.5900, 102.2549

Trichromacy



Original Color

63.2797, 74.4307, 95.8254

Protanomaly

68.2299, 73.7465, 92.2998

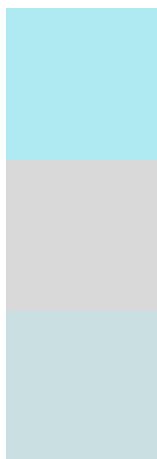
Deuteranomaly

70.4628, 73.5753, 97.6764

Tritanomaly

63.9867, 74.2852, 99.7730

Monochromacy



Original Color

63.2797, 74.4307, 95.8254

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.4723, 70.8229, 82.2236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2797, 74.4307, 95.8254 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(175, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(175, 234, 243)  
}
```

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(175, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 234, 243) }
```

Border

The CSS property to change the border of an element to XYZ 63.2797, 74.4307, 95.8254 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(175, 234, 243) }
```


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

```
.border{ border-color:rgb(175, 234, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 234, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(175, 234,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2797, 74.4307, 95.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 234, 243) }
```

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

```
.background{ background-color: rgb(175,  
234, 243) }
```

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