

Converting Colors

XYZ(63.2469, 75.8589, 91.5467)

Have a look what the booklet for
XYZ(63.2469, 75.8589, 91.5467)
contains.

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Color

**XYZ(63.2494, 75.7968,
91.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	AFEDED
RGB	175, 237, 237
RGB Percent	69%, 93%, 93%
CMY	0.3137, 0.0706, 0.0706
CMYK	0.26, 0.00, 0.00, 0.07
HSL	180°, 63%, 81%
HSV	180°, 26%, 93%
XYZ	63.2494, 75.7968, 91.4174
YIQ	218.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

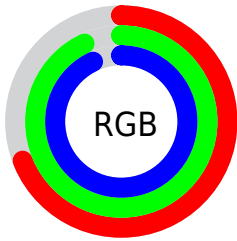
Format	Color
R _{YB}	175, 206, 237
Decimal	11529709
CIE Lab	89.76, -19.36, -6.32
CIE LCh	90, 20.365, 198.091
Yxy	75.7968, 0.2744, 0.3289
Android (android.graphics.Color)	4289719789 (0xFFAFEDED)
YUV	218.4620, 9.1392, -38.1162
Hunter-Lab	87.0614, -22.6785, -1.3136

Details

The XYZ color **63.2494, 75.7968, 91.4174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9955, 51.7616, 47.4946**, and the grayscale version is **66.9184, 70.4033, 76.6692**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **32.6101, 40.3770, 49.7909** is the 20% darker color. If you saturate the color by 10%, you get **58.3903, 73.2938, 91.1907**, and if you desaturate by 10%, it is **69.0465, 78.7872, 91.6912**.

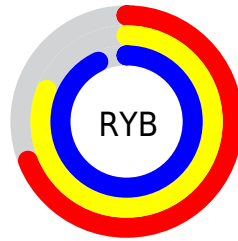
Distribution



Red (69%)

Green (93%)

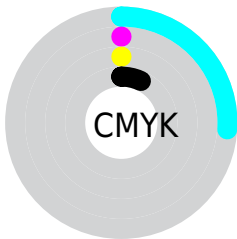
Blue (93%)



Red (69%)

Yellow (81%)

Blue (93%)

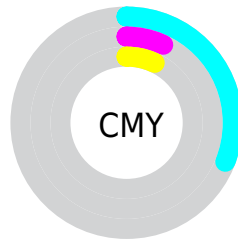


Cyan (26%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (31%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2494, 75.7968, 91.4174 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 63.2494, 75.7968, 91.4174 by changing the saturation by 10% instead.


 63.2494, 75.7968,
91.4174

 63.2494, 75.7968,
91.4174


426.1193,
480.6518, 553.3195

 46.3024, 56.2659,
68.5765


 108.6090,
127.4396, 151.2583

 32.6902, 40.4162,
49.8973


137.7524,
160.3204, 189.0955

 22.0473, 27.8632,
34.9612


171.6919,
198.4198, 232.7684

 14.0084, 18.2225,
23.3497

210.7929,
242.1224, 282.6958

 8.2083, 11.1099,
14.6442

255.4208,
291.8125, 339.2960

 4.2814, 6.1408,
8.4262

305.9410,

 1.8626, 2.9309,

347.8745, 402.9877

4.2772

362.7187,
410.6928, 474.1893

■ 0.5549, 1.0958,
1.7786

■ 0.0000, 0.0000,
0.4138

■ 63.2494, 75.7968,
91.4174

■ 63.2494, 75.7968,
91.4174

■ 58.3903, 73.2938,
91.1907

■ 69.0465, 78.7872,
91.6912

■ 54.4138, 71.2438,
91.0037


■ 75.8201, 82.2791,
92.0091

■ 51.2688, 69.6225,
90.8557


■ 83.6149, 86.2974,
92.3748


■ 48.8964, 68.3996,
90.7437


■ 86.8125, 87.9459,
92.5253


 47.2300, 67.5405,
90.6649


 86.8127, 87.9459,
92.5262


 46.1916, 67.0052,
90.6154


 86.8129, 87.9460,
92.5271

 45.6845, 66.7438,
90.5908

 86.8130, 87.9461,
92.5280

 45.5706, 66.6851,
90.5851

 86.8132, 87.9462,
92.5289

 86.8134, 87.9462,
92.5298

Harmonies

Analogous

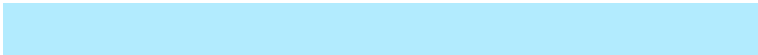
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.0026, 75.7968, 76.9547



63.2494, 75.7968, 91.4174



65.7843, 75.7968, 104.8651

Triad

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



63.2494, 75.7968, 91.4174



79.4692, 75.7968, 102.4106



74.0533, 75.7968, 58.3234

Complementary

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



63.2494, 75.7968, 91.4174



57.9955, 51.7616, 47.4946

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.



78.6857, 75.7968, 63.6151



63.2494, 75.7968, 91.4174



81.9084, 75.7968, 88.3680

Square

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



63.2494, 75.7968, 91.4174



75.0825, 75.7968, 111.7020



81.6152, 75.7968, 74.2378



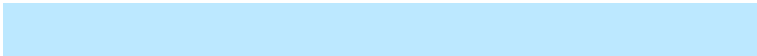
69.0859, 75.7968, 58.9380

Rectangle

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



63.2494, 75.7968, 91.4174



68.4999, 75.7968, 110.9330



81.6152, 75.7968, 74.2378



75.7054, 75.7968, 59.4427

Sweetspot

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



63.2516, 75.7999, 91.4191



87.9389, 96.3341, 108.5664



55.9363, 72.9006, 51.6818



18.5549, 20.4815, 23.2251



0.0000, 0.0000, 0.0000



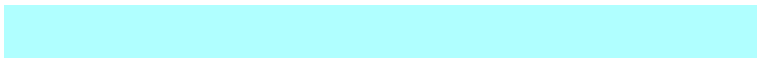
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2516, 75.7999, 91.4191



71.7026, 87.9640, 107.8041



55.2883, 59.8725, 88.7669



15.5177, 17.1219, 19.4091



24.8787, 36.4060, 49.4540



1.9536, 2.8587, 3.8834

Inverse Universe

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



57.9955, 51.7616, 47.4946



64.5874, 55.4238, 48.3441



64.4889, 64.7490, 49.6576



15.0656, 15.0541, 15.6306



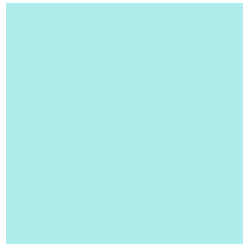
19.0678, 9.8298, 0.8926



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 63.2494, 75.7968, 91.4174 looks on a white background.

Color Contrast Check

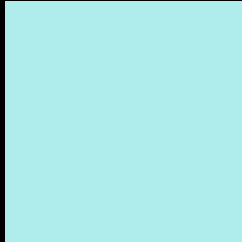
Large Text (above 18pt) WCAG AA × Fail

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 63.2494, 75.7968, 91.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

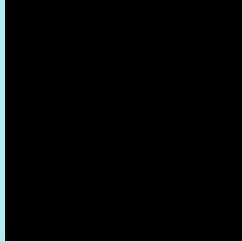
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

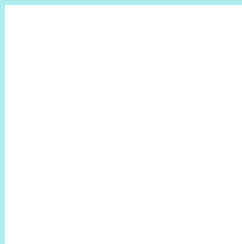
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2494, 75.7968, 91.4174

Background



This preview shows how black text looks on a background with the XYZ color 63.2494, 75.7968, 91.4174.



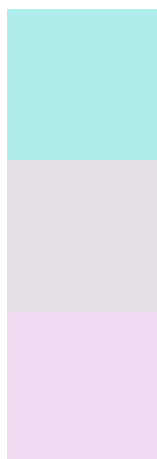
This preview shows how white text looks on a background with the XYZ color 63.2494, 75.7968,

91.4174.

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

63.2494, 75.7968, 91.4174

Protanopia

72.7934, 75.4624, 84.8578

Deuteranopia

76.8838, 75.0189, 93.6470



Tritanopia

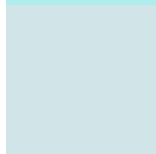
65.7428, 75.5212, 104.0405

Trichromacy



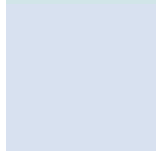
Original Color

63.2494, 75.7968, 91.4174



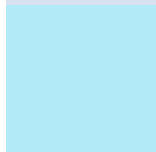
Protanomaly

68.8793, 75.4201, 87.2711



Deuteranomaly

70.9723, 74.7406, 93.1238



Tritanomaly

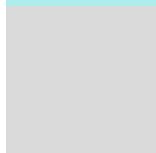
64.8569, 75.5970, 99.1691

Monochromacy



Original Color

63.2494, 75.7968, 91.4174



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.8729, 71.8432, 81.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2494, 75.7968, 91.4174 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, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(175, 237, 237)  
}
```

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, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.2494, 75.7968, 91.4174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

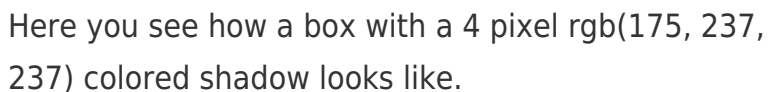
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 237, 237) }
```


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

```
.border{ border-color:rgb(175, 237, 237) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 237, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 237, 237); box-shadow:4px 4px 4px 4px rgb(175, 237, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2494, 75.7968, 91.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 237, 237) }
```

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

```
.background{ background-color: rgb(175,  
237, 237) }
```

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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