

# Converting Colors

XYZ(63.1943, 75.8552, 91.5805)

Have a look what the booklet for  
XYZ(63.1943, 75.8552, 91.5805)  
contains.

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# Color

**XYZ(63.0258, 75.6815,  
91.4069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEDEED
RGB	174, 237, 237
RGB Percent	68%, 93%, 93%
CMY	0.3176, 0.0706, 0.0706
CMYK	0.27, 0.00, 0.00, 0.07
HSL	180°, 64%, 81%
HSV	180°, 27%, 93%
XYZ	63.0258, 75.6815, 91.4069
YIQ	218.1630, -37.5480, -13.3560

# Conversions

## Conversions Part 2

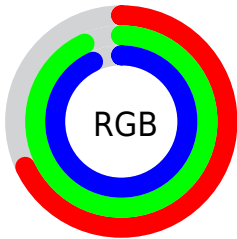
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 206, 237
Decimal	11464173
CIELab	89.71, -19.64, -6.41
CIELCh	90, 20.661, 198.072
Yxy	75.6815, 0.2739, 0.3289
Android (android.graphics.Color)	4289654253 (0xFFAAEDED)
YUV	218.1630, 9.2866, -38.7310
Hunter-Lab	86.9951, -22.9226, -1.4002

# Details

The XYZ color **63.0258, 75.6815, 91.4069** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7038, 51.3348, 46.9147**, and the grayscale version is **66.7113, 70.1855, 76.4320**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **32.4721, 40.3059, 49.7844** is the 20% darker color. If you saturate the color by 10%, you get **58.2051, 73.1982, 91.1821**, and if you desaturate by 10%, it is **68.7826, 78.6511, 91.6788**.

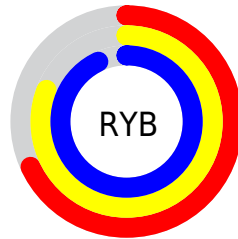
# Distribution



Red (68%)

Green (93%)

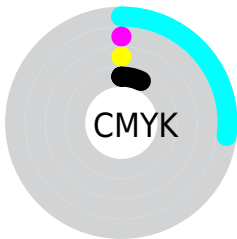
Blue (93%)



Red (68%)

Yellow (81%)

Blue (93%)

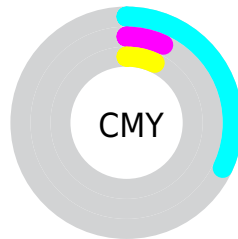


Cyan (27%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (32%)

Magenta (7%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0258, 75.6815, 91.4069 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 63.0258, 75.6815, 91.4069 by changing the saturation by 10% instead.



63.0258, 75.6815,  
91.4069

63.0258, 75.6815,  
91.4069

425.3213,  
480.2567, 553.2846

46.1208, 56.1714,  
68.5678

108.2883,  
127.2766, 151.2437

32.5462, 40.3403,  
49.8903

137.3766,  
160.1303, 189.0784

21.9366, 27.8040,  
34.9556

171.2566,  
198.2008, 232.7488

13.9267, 18.1780,  
23.3454

210.2938,  
241.8723, 282.6735

8.1510, 11.0778,  
14.6411

254.8536,  
291.5292, 339.2708

4.2444, 6.1192,  
8.4241

305.3011,

1.8413, 2.9177,

347.5560, 402.9594

4.2758

362.0019,  
410.3370, 474.1579

■ 0.5424, 1.0889,  
1.7779

■ 0.0000, 0.0000,  
0.4133

■ 63.0258, 75.6815,  
91.4069

■ 63.0258, 75.6815,  
91.4069

■ 58.2051, 73.1982,  
91.1821

■ 68.7826, 78.6511,  
91.6788

■ 54.2647, 71.1669,  
90.9968


■ 75.5140, 82.1213,  
91.9947


■ 51.1535, 69.5631,  
90.8503


■ 83.2649, 86.1170,  
92.3583


■ 48.8123, 68.3562,  
90.7399


■ 86.8125, 87.9458,  
92.5252


 47.1741, 67.5117,  
90.6623


 86.8126, 87.9459,  
92.5261


 46.1603, 66.9890,  
90.6140


 86.8128, 87.9460,  
92.5269

 45.6720, 66.7374,  
90.5903

 86.8130, 87.9460,  
92.5278

 45.5706, 66.6851,  
90.5853

 86.8131, 87.9461,  
92.5287

 86.8133, 87.9462,  
92.5296

# Harmonies

## Analogous

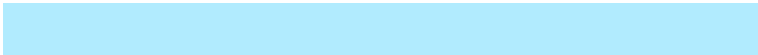
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7776, 75.6815, 76.7468



63.0258, 75.6815, 91.4069



65.5907, 75.6815, 105.0615

# Triad

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



63.0258, 75.6815, 91.4069



79.4613, 75.6815, 102.5840



73.9744, 75.6815, 57.9141

# Complementary

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



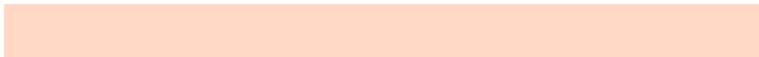
63.0258, 75.6815, 91.4069



57.7038, 51.3348, 46.9147

# 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.



78.6715, 75.6815, 63.2639



63.0258, 75.6815, 91.4069



81.9379, 75.6815, 88.3331

# Square

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



63.0258, 75.6815, 91.4069



75.0114, 75.6815, 112.0200



81.6422, 75.6815, 74.0131



68.9400, 75.6815, 58.5308

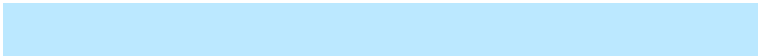


# Rectangle

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



63.0258, 75.6815, 91.4069



68.3403, 75.6815, 111.2304



81.6422, 75.6815, 74.0131



75.6494, 75.6815, 59.0457

# Sweetspot

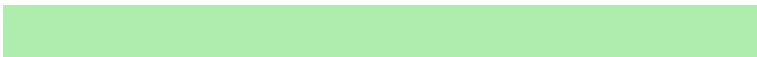
The Sweet Spot groups the original color and five complimentary colors.



63.0280, 75.6846, 91.4086



87.9389, 96.3341, 108.5664



55.6169, 72.7472, 51.1562



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.



63.0280, 75.6846, 91.4086



71.1315, 87.6697, 107.7774



54.9478, 59.5234, 88.7174



15.5177, 17.1219, 19.4091



24.8788, 36.4060, 49.4541



1.9536, 2.8587, 3.8834



# Inverse Universe

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



57.7038, 51.3348, 46.9147



63.8424, 54.3336, 46.8630



64.2677, 64.4632, 49.1012



15.0656, 15.0541, 15.6306



19.0678, 9.8298, 0.8926

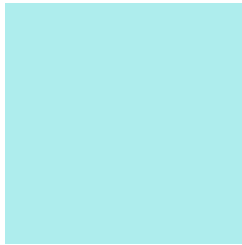


1.4973, 0.7719, 0.0701



# Previews

## White Background



This preview shows how the XYZ color 63.0258, 75.6815, 91.4069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

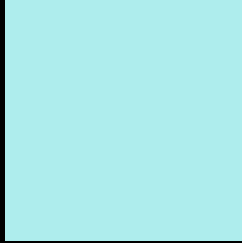
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.0258, 75.6815, 91.4069 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 63.0258, 75.6815, 91.4069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.0258, 75.6815, 91.4069.



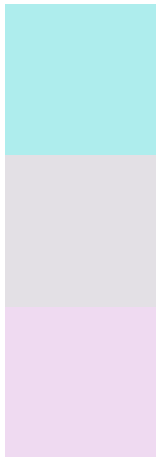
This preview shows how white text looks on a background with the XYZ color 63.0258, 75.6815,

91.4069.

# 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

63.0258, 75.6815, 91.4069

### Protanopia

72.4771, 75.2993, 84.8430

### Deuteranopia

76.5452, 74.8444, 93.6311



## Tritanopia

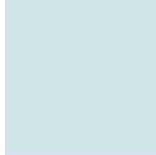
65.5125, 75.4025, 104.0298

# Trichromacy



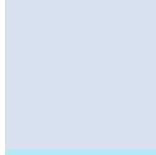
## Original Color

63.0258, 75.6815, 91.4069



## Protanomaly

68.5972, 75.2747, 87.2579



## Deuteranomaly

70.6777, 74.5888, 93.1100



## Tritanomaly

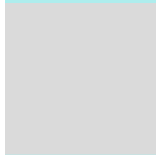
64.6283, 75.4792, 99.1584

# Monochromacy



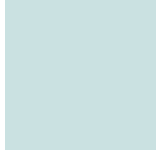
## Original Color

63.0258, 75.6815, 91.4069



## 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 63.0258, 75.6815, 91.4069 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(174, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 237, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0258, 75.6815, 91.4069 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(174, 237, 237) }
```



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

```
.border{ border-color:rgb(174, 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(174, 237, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(174, 237,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0258, 75.6815, 91.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 237, 237) }
```

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

```
.background{ background-color: rgb(174,  
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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