

Converting Colors

XYZ(63.9098, 76.2905, 93.0016)

Have a look what the booklet for
XYZ(63.9098, 76.2905, 93.0016)
contains.

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Color

**XYZ(63.7687, 76.0305,
92.9757)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>B0EDEF</code>
RGB	<code>176, 237, 239</code>
RGB Percent	<code>69%, 93%, 94%</code>
CMY	<code>0.3098, 0.0706, 0.0627</code>
CMYK	<code>0.26, 0.01, 0.00, 0.06</code>
HSL	<code>182°, 66%, 81%</code>
HSV	<code>182°, 26%, 94%</code>
XYZ	<code>63.7687, 76.0305, 92.9757</code>
YIQ	<code>218.9890, -36.9980, -12.3100</code>

Conversions

Conversions Part 2

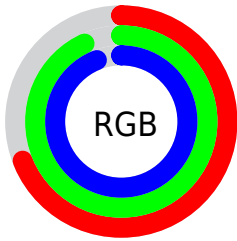
Format	Color
R _Y B	176, 207, 239
Decimal	11595247
CIE Lab	89.87, -18.63, -7.20
CIE LCh	90, 19.978, 201.133
Yxy	76.0305, 0.2740, 0.3266
Android (android.graphics.Color)	4289785327 (0xFFB0EDEF)
YUV	218.9890, 9.8654, -37.7014
Hunter-Lab	87.1955, -22.0496, -2.1835

Details

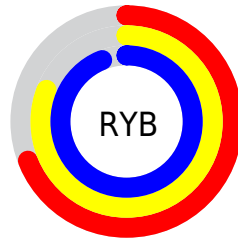
The XYZ color **63.7687, 76.0305, 92.9757** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3543, 53.3266, 48.2407**, and the grayscale version is **67.2783, 70.7820, 77.0816**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **32.9563, 40.5316, 50.8861** is the 20% darker color. If you saturate the color by 10%, you get **58.6150, 73.0506, 92.6734**, and if you desaturate by 10%, it is **69.8792, 79.5088, 93.3263**.

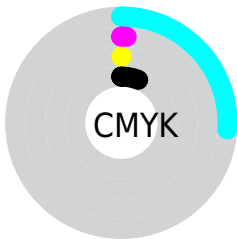
Distribution



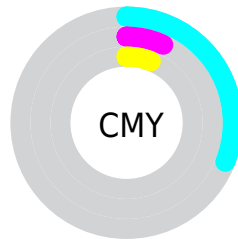
- Red (69%)
- Green (93%)
- Blue (94%)



- Red (69%)
- Yellow (81%)
- Blue (94%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7687, 76.0305, 92.9757 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 63.7687, 76.0305, 92.9757 by changing the saturation by 10% instead.

63.7687, 76.0305,
92.9757

63.7687, 76.0305,
92.9757

427.9694,
481.4521, 558.4818

46.7243, 56.4575,
69.8638

109.3534,
127.7700, 153.4364

33.0248, 40.5699,
50.9394

138.6244,
160.7053, 191.6222

22.3048, 27.9831,
35.7839

172.7016,
198.8636, 235.6697

14.1989, 18.3129,
23.9790

211.9505,
242.6291, 285.9975

8.3417, 11.1749,
15.1060

256.7364,
292.3863, 343.0240

4.3680, 6.1846,
8.7464

307.4246,

1.9124, 2.9577,

348.5196, 407.1679

4.4816

364.3805,
411.4134, 478.8477

■ 0.5840, 1.1097,
1.8931

■ 0.0000, 0.0000,
0.4883

■ 63.7687, 76.0305,
92.9757

■ 63.7687, 76.0305,
92.9757

■ 58.6150, 73.0506,
92.6734

■ 69.8792, 79.5088,
93.3263

■ 54.3615, 70.5343,
92.4119

■ 76.9859, 83.5002,
93.7221

■ 50.9559, 68.4564,
92.1903

■ 85.1344, 88.0300,
94.1670

■ 48.3380, 66.7860,
92.0059

■ 87.9906, 89.8329,
94.3645

46.4396, 65.4878,
91.8554

88.2142, 90.2800,
94.4390

45.1807, 64.5208,
91.7351

88.4387, 90.7290,
94.5138

44.4617, 63.8334,
91.6403

88.6641, 91.1798,
94.5889

44.2753, 63.6223,
91.6094

88.8904, 91.6325,
94.6644

89.1177, 92.0871,
94.7402

Harmonies

Analogous

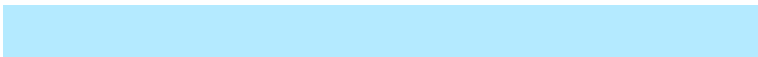
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.2871, 76.0305, 78.6648



63.7687, 76.0305, 92.9757



66.4711, 76.0305, 105.8022

Triad

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



63.7687, 76.0305, 92.9757



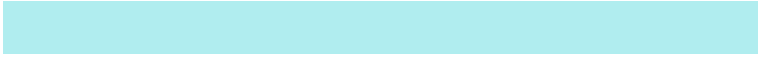
79.9091, 76.0305, 101.0392



73.7376, 76.0305, 58.7275

Complementary

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



63.7687, 76.0305, 92.9757



59.3543, 53.3266, 48.2407

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.



78.3855, 76.0305, 63.3732



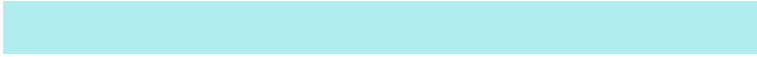
63.7687, 76.0305, 92.9757



82.0536, 76.0305, 87.0452

Square

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



63.7687, 76.0305, 92.9757



75.7408, 76.0305, 110.8136



81.4837, 76.0305, 73.3662



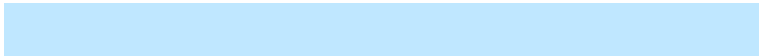
68.8967, 76.0305, 59.9313

Rectangle

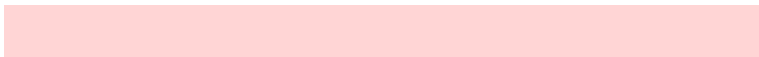
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7687, 76.0305, 92.9757



69.2388, 76.0305, 111.2607



81.4837, 76.0305, 73.3662



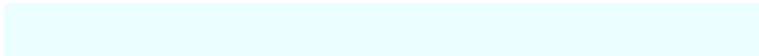
75.3775, 76.0305, 59.6354

Sweetspot

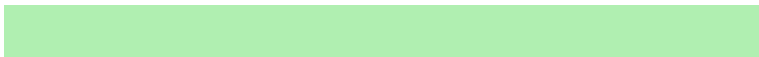
The Sweet Spot groups the original color and five complimentary colors.



63.7709, 76.0336, 92.9774



87.7331, 95.9223, 108.4986



56.7133, 74.1408, 52.9442



18.5026, 20.3768, 23.2079



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.



63.7709, 76.0336, 92.9774



70.3125, 86.0306, 107.5074



55.6658, 59.8233, 90.2757



16.2019, 17.8379, 20.3107



24.4865, 35.1972, 50.6310



2.0504, 2.9549, 4.2165

Inverse Universe

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



66.4098, 55.5176, 87.3400



73.8967, 58.3553, 99.8082



66.1247, 66.8673, 50.4974



16.4314, 16.0223, 19.8277



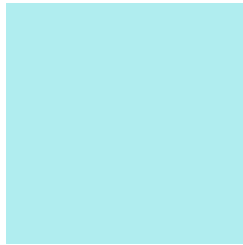
27.6853, 13.3465, 43.1207



2.3099, 1.1130, 3.6229

Previews

White Background



This preview shows how the XYZ color 63.7687, 76.0305, 92.9757 looks on a white background.

Color Contrast Check

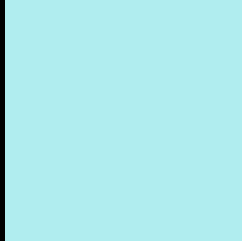
Large Text (above 18pt) WCAG AA × Fail

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 63.7687, 76.0305, 92.9757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

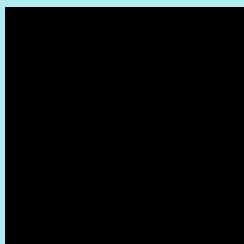
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

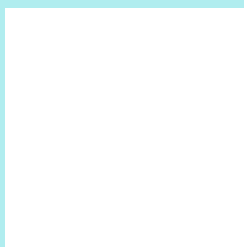
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7687, 76.0305, 92.9757

Background



This preview shows how black text looks on a background with the XYZ color 63.7687, 76.0305, 92.9757.

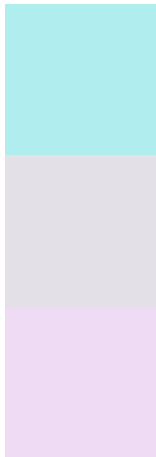


This preview shows how white text looks on a background with the XYZ color 63.7687, 76.0305,

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

63.7687, 76.0305, 92.9757

Protanopia

72.7580, 75.4117, 86.3225

Deuteranopia

77.1058, 75.4848, 95.3001



Tritanopia

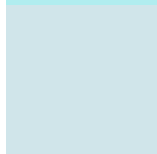
66.1881, 76.1561, 104.9770

Trichromacy



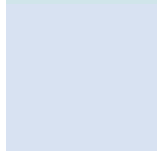
Original Color

63.7687, 76.0305, 92.9757



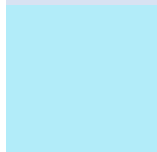
Protanomaly

68.8830, 75.3890, 88.7629



Deuteranomaly

71.5423, 75.4024, 94.7878



Tritanomaly

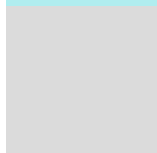
65.4544, 76.2954, 100.8992

Monochromacy



Original Color

63.7687, 76.0305, 92.9757



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.5524, 72.5802, 82.5059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7687, 76.0305, 92.9757 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(176, 237, 239)` looks like.

```
.text, #text, p{  
    color:rgb(176, 237, 239)  
}
```

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(176, 237, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 237, 239) }
```

Border

The CSS property to change the border of an element to XYZ 63.7687, 76.0305, 92.9757 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(176, 237, 239) }
```


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

```
.border{ border-color:rgb(176, 237, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 237, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 237, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 237, 239);  
box-shadow:4px 4px 4px 4px rgb(176, 237,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7687, 76.0305, 92.9757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 237, 239) }
```

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

```
.background{ background-color: rgb(176,  
237, 239) }
```

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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