

Converting Colors

XYZ(62.9565, 76.7483, 93.6619)

Have a look what the booklet for
XYZ(62.9565, 76.7483, 93.6619)
contains.

XYZ(63.0367, 76.9363, 93.9659)	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(63.0367, 76.9363,
93.9659)**

Conversions

Conversions Part 1

Format	Color
Hex	A8F0F0
RGB	168, 240, 240
RGB Percent	66%, 94%, 94%
CMY	0.3412, 0.0588, 0.0588
CMYK	0.30, 0.00, 0.00, 0.06
HSL	180°, 71%, 80%
HSV	180°, 30%, 94%
XYZ	63.0367, 76.9363, 93.9659
YIQ	218.4720, -42.9120, -15.2640

Conversions

Conversions Part 2

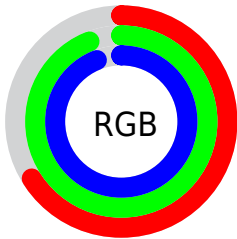
Format	Color
R _Y B	168, 204, 240
Decimal	11071728
CIE Lab	90.29, -22.12, -7.15
CIE LCh	90, 23.248, 197.917
Yxy	76.9363, 0.2695, 0.3289
Android (android.graphics.Color)	4289261808 (0xFFA8F0F0)
YUV	218.4720, 10.6133, -44.2639
Hunter-Lab	87.7133, -25.2163, -2.1171

Details

The XYZ color **63.0367, 76.9363, 93.9659** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0084, 49.3598, 43.5714**, and the grayscale version is **66.9184, 70.4034, 76.6693**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **32.6023, 41.2524, 51.5916** is the 20% darker color. If you saturate the color by 10%, you get **58.3918, 74.5437, 93.7494**, and if you desaturate by 10%, it is **68.6291, 79.8212, 94.2300**.

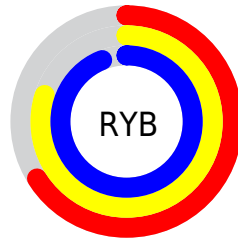
Distribution



Red (66%)

Green (94%)

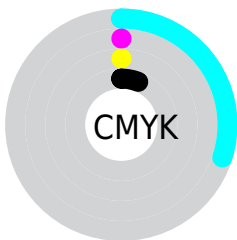
Blue (94%)



Red (66%)

Yellow (80%)

Blue (94%)

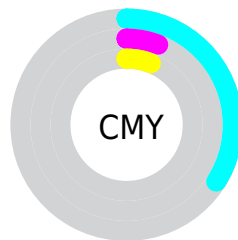


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0367, 76.9363, 93.9659 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 63.0367, 76.9363, 93.9659 by changing the saturation by 10% instead.

63.0367, 76.9363,
93.9659

63.0367, 76.9363,
93.9659

425.3602,
484.5468, 561.7486

46.1297, 57.2006,
70.6825

108.3040,
129.0496, 154.8184

32.5532, 41.1663,
51.6029

137.3949,
162.1959, 193.2246

21.9420, 28.4491,
36.3086

171.2779,
200.5812, 237.5088

13.9306, 18.6644,
24.3810

210.3182,
244.5900, 288.0895

8.1538, 11.4281,
15.4017

254.8812,
294.6065, 345.3853

4.2462, 6.3555,
8.9520

305.3323,

1.8423, 3.0625,

351.0152, 409.8148

4.6135

362.0369,
414.2005, 481.7964

■ 0.5430, 1.1644,
1.9676

■ 0.0000, 0.0324,
0.5352

■ 63.0367, 76.9363,
93.9659

■ 63.0367, 76.9363,
93.9659

■ 58.3918, 74.5437,
93.7494

■ 68.6291, 79.8212,
94.2300

■ 54.6356, 72.6073,
93.5729

■ 75.2102, 83.2139,
94.5387

■ 51.7135, 71.1009,
93.4354

■ 82.8270, 87.1404,
94.8959

■ 49.5619, 69.9918,
93.3340

■ 88.1304, 89.8744,
95.1449

■ 48.1081, 69.2423,
93.2652

■ 88.1306, 89.8745,
95.1456

■ 47.2657, 68.8081,
93.2251

■ 88.1307, 89.8745,
95.1464

■ 46.8889, 68.6138,
93.2067

■ 88.1308, 89.8746,
95.1471

■ 88.1310, 89.8747,
95.1478

■ 88.1311, 89.8747,
95.1486

Harmonies

Analogous

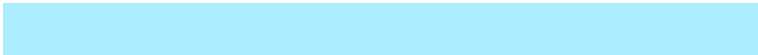
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7715, 76.9363, 77.2723



63.0367, 76.9363, 93.9659



65.9157, 76.9363, 109.7294

Triad

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



63.0367, 76.9363, 93.9659



81.7025, 76.9363, 107.0059



75.4808, 76.9363, 56.3031

Complementary

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



63.0367, 76.9363, 93.9659



57.0084, 49.3598, 43.5714

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.



80.8430, 76.9363, 62.2672



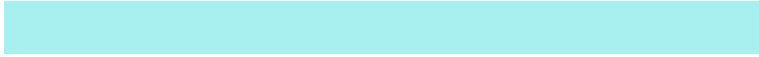
63.0367, 76.9363, 93.9659



84.5600, 76.9363, 90.6232

Square

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



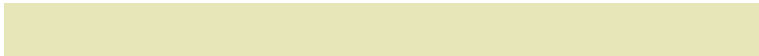
63.0367, 76.9363, 93.9659



76.6039, 76.9363, 117.9146



84.2374, 76.9363, 74.3407



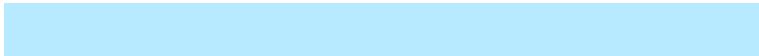
69.7543, 76.9363, 56.9498

Rectangle

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



63.0367, 76.9363, 93.9659



69.0198, 76.9363, 116.9216



84.2374, 76.9363, 74.3407



77.3911, 76.9363, 57.5650

Sweetspot

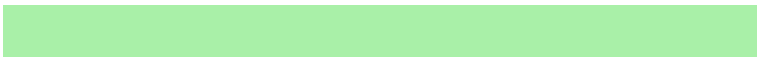
The Sweet Spot groups the original color and five complimentary colors.



63.0390, 76.9394, 93.9677



87.1048, 95.9041, 108.5274



54.6354, 73.6076, 48.3754



18.3888, 20.3959, 23.2174



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.



63.0390, 76.9394, 93.9677



68.9547, 86.5474, 107.6757



53.7581, 58.3769, 90.8761



16.2474, 17.9290, 20.3258



25.6666, 37.5587, 51.0207



2.1352, 3.1245, 4.2445

Inverse Universe

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



57.0084, 49.3598, 43.5714



61.0019, 50.1771, 41.2161



64.3145, 63.9726, 46.0055



15.7729, 15.7589, 16.3603



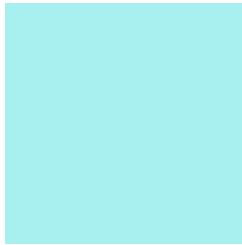
19.6715, 10.1410, 0.9208



1.6365, 0.8436, 0.0767

Previews

White Background



This preview shows how the XYZ color 63.0367, 76.9363, 93.9659 looks on a white background.

Color Contrast Check

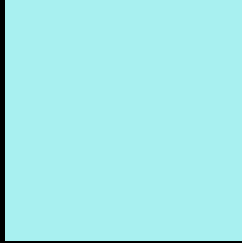
Large Text (above 18pt) WCAG AA × Fail

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 63.0367, 76.9363, 93.9659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

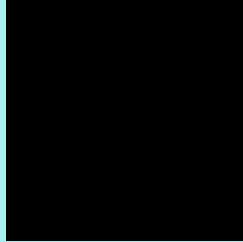
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0367, 76.9363, 93.9659

Background



This preview shows how black text looks on a background with the XYZ color 63.0367, 76.9363, 93.9659.

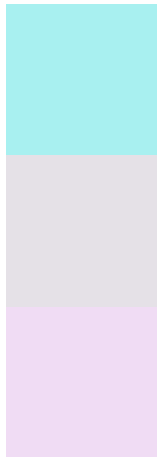


This preview shows how white text looks on a background with the XYZ color 63.0367, 76.9363,

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

63.0367, 76.9363, 93.9659

Protanopia

73.6621, 76.2780, 86.4420

Deuteranopia

77.8575, 76.2433, 96.2008



Tritanopia

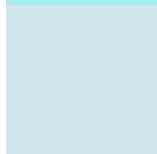
66.0134, 76.9023, 105.9721

Trichromacy



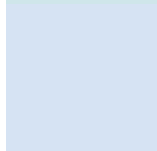
Original Color

63.0367, 76.9363, 93.9659



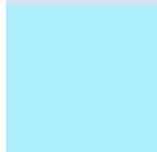
Protanomaly

68.8802, 75.7995, 88.8423



Deuteranomaly

71.3783, 75.7054, 95.6446



Tritanomaly

64.8431, 76.8219, 101.8530

Monochromacy



Original Color

63.0367, 76.9363, 93.9659



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.7432, 72.1631, 82.4680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0367, 76.9363, 93.9659 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(168, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 240, 240)  
}
```

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(168, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 240, 240) }
```

Border

The CSS property to change the border of an element to XYZ 63.0367, 76.9363, 93.9659 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(168, 240, 240) }
```


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

```
.border{ border-color:rgb(168, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(168, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(168, 240,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0367, 76.9363, 93.9659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 240, 240) }
```

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

```
.background{ background-color: rgb(168,  
240, 240) }
```

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