

Converting Colors

XYZ(49.3505, 67.3185, 71.0409)

Have a look what the booklet for
XYZ(49.3505, 67.3185, 71.0409)
contains.

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Color

**XYZ(49.3760, 67.3666,
71.3734)**

Conversions

Conversions Part 1

Format	Color
Hex	7EE9D2
RGB	126, 233, 210
RGB Percent	49%, 91%, 82%
CMY	0.5059, 0.0863, 0.1765
CMYK	0.46, 0.00, 0.10, 0.09
HSL	167°, 71%, 70%
HSV	167°, 46%, 91%
XYZ	49.3760, 67.3666, 71.3734
YIQ	198.3850, -56.3890, -29.8370

Conversions

Conversions Part 2

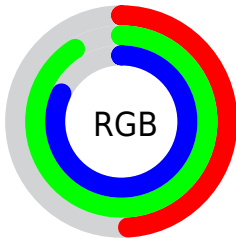
Format	Color
RYB	126, 186, 233
Decimal	8317394
CIELab	85.69, -36.37, 1.59
CIElCh	86, 36.407, 177.497
Yxy	67.3666, 0.2625, 0.3581
Android (android.graphics.Color)	4286507474 (0xFF7EE9D2)
YUV	198.3850, 5.7262, -63.4816
Hunter-Lab	82.0772, -36.2529, 5.8961

Details

The XYZ color **49.3760, 67.3666, 71.3734** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.4923, 34.4172, 32.6292**, and the grayscale version is **53.9032, 56.7104, 61.7576**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **24.0376, 35.0379, 36.9486** is the 20% darker color. If you saturate the color by 10%, you get **45.7182, 65.5536, 67.9965**, and if you desaturate by 10%, it is **53.8572, 69.6052, 74.8938**.

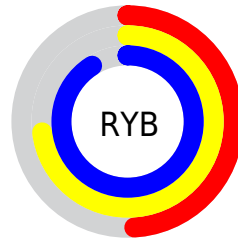
Distribution



Red (49%)

Green (91%)

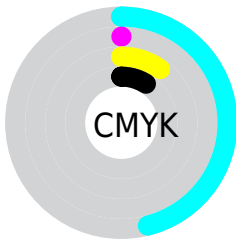
Blue (82%)



Red (49%)

Yellow (73%)

Blue (91%)

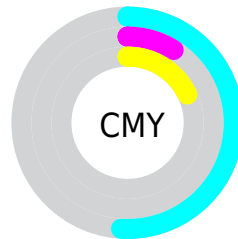


Cyan (46%)

Magenta (0%)

Yellow (10%)

Black (9%)



Cyan (51%)


Magenta (9%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3760, 67.3666, 71.3734 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 49.3760, 67.3666, 71.3734 by changing the saturation by 10% instead.


 49.3760, 67.3666,
71.3734


 49.3760, 67.3666,
71.3734


374.7131,
451.2486, 484.2765


 35.1336, 49.3826,
52.1633


 88.4470, 115.4456,
122.8647

 23.9328, 34.9231,
36.7521


 114.0063,
146.3093, 155.9829

 15.4082, 23.6036,
24.7213


 144.0687,
182.2351, 194.5742

 9.1946, 15.0399,
15.6524

178.9994,
223.6073, 239.0572

 4.9264, 8.8474,
9.1269

219.1638,
270.8104, 289.8504

 2.2385, 4.6418,
4.7261

264.9274,

 0.7629, 2.0386,

324.2287, 347.3723

2.0315

316.6554,
384.2466, 412.0415

■ 0.0000, 0.6298,
0.5746

■ 0.0000, 0.0000,
0.0000

■ 49.3760, 67.3666,
71.3734

■ 49.3760, 67.3666,
71.3734

■ 45.7182, 65.5536,
67.9965

■ 53.8572, 69.6052,
74.8938

■ 42.8216, 64.1291,
64.7548


■ 59.2073, 72.2877,
78.5562


■ 40.6242, 63.0628,
61.6460


■ 65.4749, 75.4410,
82.3654


■ 39.0515, 62.3164,
58.6656


■ 72.7036, 79.0874,
86.3242


 38.0114, 61.8424,
55.8083

 80.9341, 83.2479,
90.4354

 37.6783, 61.6954,
54.6753

 86.1165, 85.8347,
94.5104

 86.8714, 86.1366,
98.4855

 87.6470, 86.4469,
102.5696

 88.4301, 86.7601,
106.6934

Harmonies

Analogous

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



51.4944, 67.3666, 51.4349



49.3760, 67.3666, 71.3734



50.8942, 67.3666, 96.5357

Triad

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



49.3760, 67.3666, 71.3734



71.6827, 67.3666, 121.8080



72.9917, 67.3666, 41.1684

Complementary

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



49.3760, 67.3666, 71.3734



46.4923, 34.4172, 32.6292

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.



79.2512, 67.3666, 54.2113



49.3760, 67.3666, 71.3734



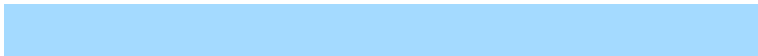
78.4507, 67.3666, 100.7461

Square

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



49.3760, 67.3666, 71.3734



63.3357, 67.3666, 129.1276



81.3294, 67.3666, 75.3643



64.7292, 67.3666, 36.5153

Rectangle

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



49.3760, 67.3666, 71.3734



53.8437, 67.3666, 112.4596



81.3294, 67.3666, 75.3643



75.4260, 67.3666, 44.5567

Sweetspot

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



49.3779, 67.3693, 71.3750



81.9025, 93.3622, 101.9632



45.3349, 66.1938, 30.1273



17.1424, 19.7877, 21.6025



0.0000, 0.0000, 0.0000



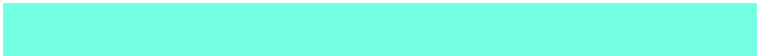
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3779, 67.3693, 71.3750



56.3675, 80.5760, 83.7086



44.5955, 52.8837, 84.9510



15.3709, 17.0632, 18.6363



21.4262, 35.0249, 31.2731



1.7169, 2.7641, 2.6371

Inverse Universe

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



46.4923, 34.4172, 32.6292



52.4454, 35.5058, 30.8369



49.3141, 42.7155, 25.3858



15.1980, 15.1070, 16.3279



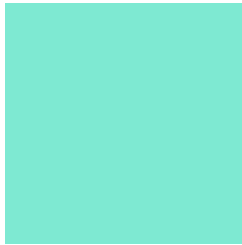
19.4327, 9.9758, 2.8139



1.5607, 0.7972, 0.4040

Previews

White Background



This preview shows how the XYZ color 49.3760, 67.3666, 71.3734 looks on a white background.

Color Contrast Check

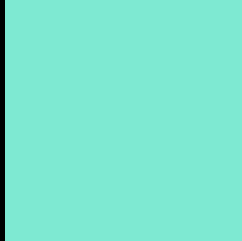
Large Text (above 18pt) WCAG AA × Fail

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 49.3760, 67.3666, 71.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

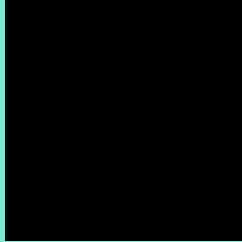
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

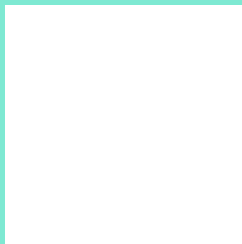
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3760, 67.3666, 71.3734

Background



This preview shows how black text looks on a background with the XYZ color 49.3760, 67.3666, 71.3734.

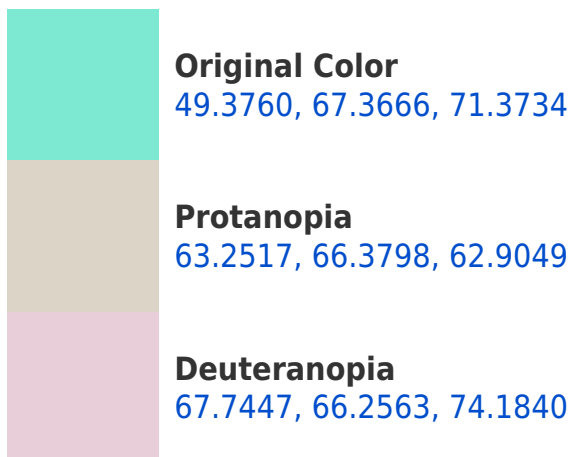


This preview shows how white text looks on a background with the XYZ color 49.3760, 67.3666, 71.3734.

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





Tritanopia

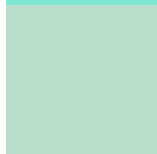
54.5313, 67.3749, 97.3193

Trichromacy



Original Color

49.3760, 67.3666, 71.3734



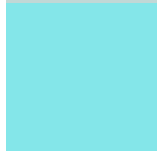
Protanomaly

56.5036, 65.8898, 65.6171



Deuteranomaly

58.6858, 65.3042, 73.1302



Tritanomaly

52.5205, 67.3824, 87.3288

Monochromacy



Original Color

49.3760, 67.3666, 71.3734



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.9682, 59.6235, 64.6993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3760, 67.3666, 71.3734 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(126, 233, 210)` looks like.

```
.text, #text, p{  
    color:rgb(126, 233, 210)  
}
```

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(126, 233, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 233, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.3760, 67.3666, 71.3734 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(126, 233, 210) }
```


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

```
.border{ border-color:rgb(126, 233, 210) }
```

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

Here you see how a box with a 4 pixel rgb(126, 233, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(126, 233,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3760, 67.3666, 71.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 233, 210) }
```

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

```
.background{ background-color: rgb(126,  
233, 210) }
```

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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