

Converting Colors

XYZ(49.1500, 66.1689, 73.2520)

Have a look what the booklet for
XYZ(49.1500, 66.1689, 73.2520)
contains.

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Color

**XYZ(49.1903, 66.3915,
73.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	7EE7D5
RGB	126, 231, 213
RGB Percent	49%, 91%, 84%
CMY	0.5059, 0.0941, 0.1647
CMYK	0.45, 0.00, 0.08, 0.09
HSL	170°, 69%, 70%
HSV	170°, 45%, 91%
XYZ	49.1903, 66.3915, 73.1730
YIQ	197.5530, -56.8020, -27.8580

Conversions

Conversions Part 2

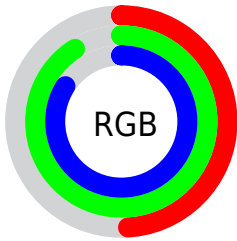
Format	Color
R _Y B	126, 183, 231
Decimal	8316885
CIE Lab	85.20, -34.75, -0.71
CIE LCh	85, 34.759, 181.168
Yxy	66.3915, 0.2606, 0.3517
Android (android.graphics.Color)	4286506965 (0xFF7EE7D5)
YUV	197.5530, 7.6154, -62.7520
Hunter-Lab	81.4810, -34.8308, 3.7920

Details

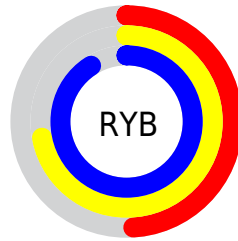
The XYZ color **49.1903, 66.3915, 73.1730** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.4521, 33.9260, 30.5408**, and the grayscale version is **53.3869, 56.1671, 61.1660**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **23.8163, 34.3219, 37.7173** is the 20% darker color. If you saturate the color by 10%, you get **45.6732, 64.6374, 70.4173**, and if you desaturate by 10%, it is **53.5099, 68.5612, 76.0332**.

Distribution



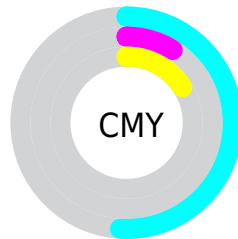
- Red (49%)
- Green (91%)
- Blue (84%)



- Red (49%)
- Yellow (72%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1903, 66.3915, 73.1730 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 49.1903, 66.3915, 73.1730 by changing the saturation by 10% instead.


 49.1903, 66.3915,
73.1730


 49.1903, 66.3915,
73.1730


373.9956,
447.7757, 490.7010


 34.9856, 48.5903,
53.6248


 88.1730, 114.0481,
125.4460

 23.8183, 34.2946,
37.9106


 113.6818,
144.6722, 159.0078

 15.3229, 23.1200,
25.6120


 143.6893,
180.3394, 198.0778

 9.1341, 14.6821,
16.3105

178.5610,
221.4341, 243.0747

 4.8866, 8.5966,
9.5874

218.6620,
268.3407, 294.4169

 2.2149, 4.4790,
5.0242

264.3579,

 0.7506, 1.9450,

321.4436, 352.5230

2.2025

316.0140,
381.1271, 417.8115

■ 0.0000, 0.5752,
0.6758

■ 0.0000, 0.0000,
0.0000

■ 49.1903, 66.3915,
73.1730

■ 49.1903, 66.3915,
73.1730

■ 45.6732, 64.6374,
70.4173

■ 53.5099, 68.5612,
76.0332

■ 42.8978, 63.2626,
67.7585


■ 58.6761, 71.1642,
78.9962


■ 40.8042, 62.2379,
65.1949


■ 64.7363, 74.2267,
82.0660


■ 39.3200, 61.5259,
62.7224


■ 71.7329, 77.7705,
85.2450


 38.3564, 61.0810,
60.3367


 79.7056, 81.8160,
88.5356

 38.0249, 60.9332,
59.2775

 85.0688, 84.5147,
91.7703

 85.6532, 84.7485,
94.8481

 86.2506, 84.9875,
97.9936

 86.8608, 85.2316,
101.2072

Harmonies

Analogous

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



50.7886, 66.3915, 53.3914



49.1903, 66.3915, 73.1730



51.0551, 66.3915, 97.0338

Triad

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



49.1903, 66.3915, 73.1730



71.2371, 66.3915, 115.9169



70.6614, 66.3915, 40.6618

Complementary

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



49.1903, 66.3915, 73.1730



45.4521, 33.9260, 30.5408

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.



76.9115, 66.3915, 52.1552



49.1903, 66.3915, 73.1730



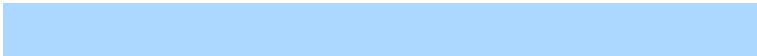
77.2628, 66.3915, 95.1901

Square

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



49.1903, 66.3915, 73.1730



63.4110, 66.3915, 124.6592



79.4193, 66.3915, 71.4123



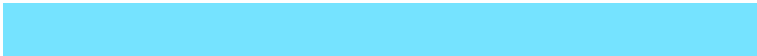
62.7962, 66.3915, 37.1261

Rectangle

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



49.1903, 66.3915, 73.1730



54.1085, 66.3915, 111.4376



79.4193, 66.3915, 71.4123



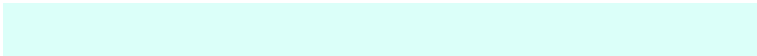
73.0431, 66.3915, 43.5864

Sweetspot

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



49.1922, 66.3941, 73.1745



82.1438, 93.4587, 103.2337



44.0650, 64.7033, 29.9064



17.2016, 19.8115, 21.9146



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.



49.1922, 66.3941, 73.1745



57.2147, 80.9148, 88.1699



43.1670, 50.4814, 83.0730



14.6958, 16.2917, 17.9288



21.3571, 34.1750, 33.4447



1.6063, 2.5367, 2.6196

Inverse Universe

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



45.4521, 33.9260, 30.5408



51.9876, 35.3226, 28.4259



49.1642, 43.3797, 25.5218



14.4773, 14.4081, 15.4480



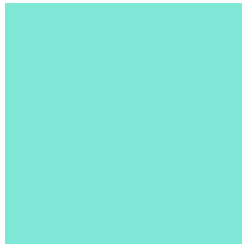
18.7172, 9.6211, 2.1397



1.4131, 0.7230, 0.3162

Previews

White Background



This preview shows how the XYZ color 49.1903, 66.3915, 73.1730 looks on a white background.

Color Contrast Check

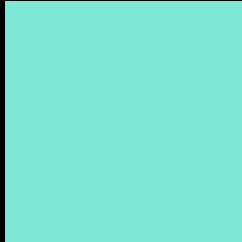
Large Text (above 18pt) WCAG AA × Fail

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 49.1903, 66.3915, 73.1730 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

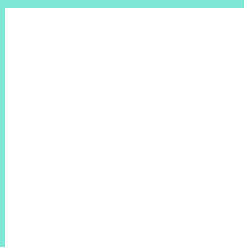
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1903, 66.3915, 73.1730

Background



This preview shows how black text looks on a background with the XYZ color 49.1903, 66.3915, 73.1730.

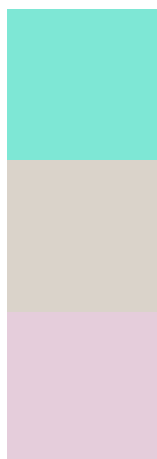


This preview shows how white text looks on a background with the XYZ color 49.1903, 66.3915,

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

49.1903, 66.3915, 73.1730

Protanopia

62.8684, 65.7582, 65.2562

Deuteranopia

66.9306, 65.4351, 76.1205



Tritanopia

53.6695, 66.1362, 96.3231

Trichromacy



Original Color

49.1903, 66.3915, 73.1730



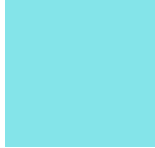
Protanomaly

56.2196, 64.9133, 67.9590



Deuteranomaly

58.3092, 64.3094, 74.9854



Tritanomaly

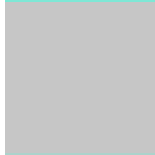
51.9671, 66.2755, 87.1443

Monochromacy



Original Color

49.1903, 66.3915, 73.1730



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.8393, 59.1756, 65.2424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1903, 66.3915, 73.1730 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, 231, 213)` looks like.

```
.text, #text, p{  
    color:rgb(126, 231, 213)  
}
```

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, 231, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 231, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.1903, 66.3915, 73.1730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

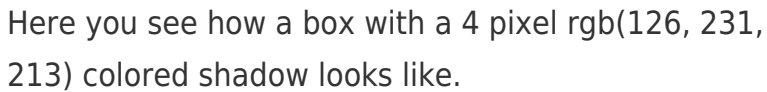
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 231, 213) }
```


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

```
.border{ border-color:rgb(126, 231, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 231, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 231, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 231, 213); box-shadow:4px 4px 4px 4px rgb(126, 231, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1903, 66.3915, 73.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 231, 213) }
```

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

```
.background{ background-color: rgb(126,  
231, 213) }
```

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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