

Converting Colors

XYZ(49.1732, 68.6731, 65.3071)

Have a look what the booklet for
XYZ(49.1732, 68.6731, 65.3071)
contains.

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Color

**XYZ(49.1732, 68.6731,
65.3071)**

Conversions

Conversions Part 1

Format	Color
Hex	7FECC8
RGB	127, 236, 200
RGB Percent	50%, 93%, 78%
CMY	0.5019, 0.0745, 0.2157
CMYK	0.46, 0.00, 0.15, 0.07
HSL	160°, 74%, 71%
HSV	160°, 46%, 93%
XYZ	49.1732, 68.6731, 65.3071
YIQ	199.3050, -53.4080, -34.3040

Conversions

Conversions Part 2

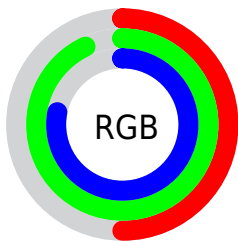
Format	Color
RYB	127, 192, 236
Decimal	8383688
CIELab	86.34, -39.74, 7.78
CIELCh	86, 40.494, 168.916
Yxy	68.6731, 0.2685, 0.3749
Android (android.graphics.Color)	4286573768 (0xFF7FECC8)
YUV	199.3050, 0.3426, -63.4115
Hunter-Lab	82.8692, -39.1023, 11.2835

Details

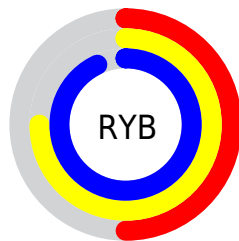
The XYZ color **49.1732, 68.6731, 65.3071** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7947, 35.6577, 38.9639**, and the grayscale version is **54.4959, 57.3339, 62.4366**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **23.8935, 35.9468, 32.8732** is the 20% darker color. If you saturate the color by 10%, you get **45.1739, 66.7157, 60.4859**, and if you desaturate by 10%, it is **54.0459, 71.0789, 70.4147**.

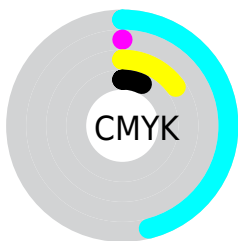
Distribution



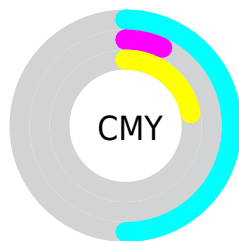
- Red (50%)
- Green (93%)
- Blue (78%)



- Red (50%)
- Yellow (75%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (15%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1732, 68.6731, 65.3071 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 49.1732, 68.6731, 65.3071 by changing the saturation by 10% instead.


 49.1732, 68.6731,
65.3071


 49.1732, 68.6731,
65.3071


373.9294,
455.8772, 462.2311


 34.9720, 50.4455,
47.2572


 88.1478, 117.3145,
114.1088

 23.8077, 35.7675,
32.8832


 113.6519,
148.4972, 145.6976

 15.3150, 24.2547,
21.7666


 143.6544,
184.7670, 182.6365

 9.1285, 15.5227,
13.4888

178.5206,
226.5084, 225.3441

 4.8829, 9.1870,
7.6314

218.6158,
274.1057, 274.2388

 2.2128, 4.8634,
3.7756

264.3055,

 0.7495, 2.1673,

327.9433, 329.7391

1.5031

315.9549,
388.4057, 392.2637

0.0000, 0.7021,
0.2202

0.0000, 0.0000,
0.0000

49.1732, 68.6731,
65.3071

49.1732, 68.6731,
65.3071

45.1739, 66.7157,
60.4859

54.0459, 71.0789,
70.4147

41.9832, 65.1682,
55.9400


59.8397, 73.9523,
75.8099


39.5365, 63.9990,
51.6641


66.6054, 77.3212,
81.5000


37.7559, 63.1680,
47.6510


74.3885, 81.2090,
87.4905

 36.5447, 62.6256,
43.8923

 83.2314, 85.6375,
93.7867

 36.1728, 62.4638,
42.5221

 87.9901, 87.9547,
100.1510

 89.2171, 88.4455,
106.6125

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



52.6388, 68.6731, 45.7887



49.1732, 68.6731, 65.3071



49.7013, 68.6731, 92.7349

Triad

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



49.1732, 68.6731, 65.3071



71.2742, 68.6731, 134.8101



77.8112, 68.6731, 42.2956

Complementary

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



49.1732, 68.6731, 65.3071



48.7947, 35.6577, 38.9639

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.



83.7955, 68.6731, 59.2951



49.1732, 68.6731, 65.3071



79.7796, 68.6731, 113.9620

Square

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



49.1732, 68.6731, 65.3071



61.8768, 68.6731, 137.5242



84.5484, 68.6731, 85.1128



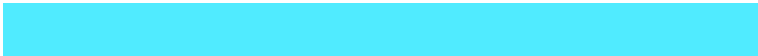
68.7886, 68.6731, 34.7774

Rectangle

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



49.1732, 68.6731, 65.3071



52.2611, 68.6731, 111.9982



84.5484, 68.6731, 85.1128



80.2802, 68.6731, 46.8726

Sweetspot

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



49.1751, 68.6759, 65.3087



81.2729, 93.1103, 98.6477



49.0010, 69.3479, 30.8827



16.9881, 19.7260, 20.7901



0.0000, 0.0000, 0.0000



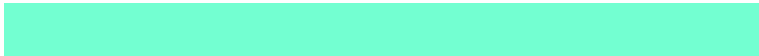
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1751, 68.6759, 65.3087



54.2660, 79.7353, 72.6420



48.9231, 60.6272, 88.4838



15.2938, 17.0324, 18.2302



20.0006, 34.4547, 23.7660



1.6147, 2.7232, 2.0986

Inverse Universe

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



48.7947, 35.6577, 38.9639



53.7818, 36.0403, 37.8742



48.5759, 39.6688, 25.1764



15.2706, 15.1361, 16.7104



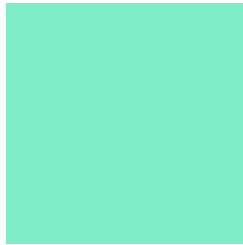
19.8781, 10.1539, 5.1595



1.6039, 0.8145, 0.6316

Previews

White Background



This preview shows how the XYZ color 49.1732, 68.6731, 65.3071 looks on a white background.

Color Contrast Check

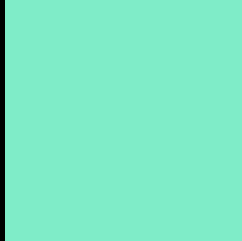
Large Text (above 18pt) WCAG AA × Fail

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 49.1732, 68.6731, 65.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

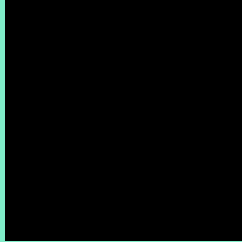
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1732, 68.6731, 65.3071

Background



This preview shows how black text looks on a background with the XYZ color 49.1732, 68.6731, 65.3071.

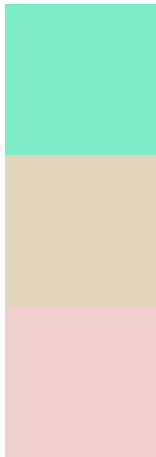


This preview shows how white text looks on a background with the XYZ color 49.1732, 68.6731, 65.3071.

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

49.1732, 68.6731, 65.3071

Protanopia

64.2832, 67.7748, 57.8379

Deuteranopia

69.2931, 67.9187, 67.8500



Tritanopia

55.7778, 68.3914, 99.0680

Trichromacy



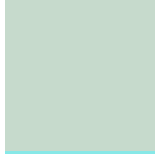
Original Color

49.1732, 68.6731, 65.3071



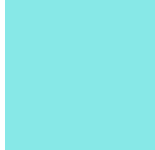
Protanomaly

56.7332, 66.9116, 60.3772



Deuteranomaly

59.2592, 66.5082, 66.8408



Tritanomaly

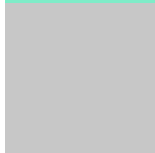
53.2721, 68.6336, 86.0412

Monochromacy



Original Color

49.1732, 68.6731, 65.3071



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.0859, 60.0947, 62.9398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1732, 68.6731, 65.3071 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(127, 236, 200)` looks like.

```
.text, #text, p{  
    color:rgb(127, 236, 200)  
}
```

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(127, 236, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 236, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.1732, 68.6731, 65.3071 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(127, 236, 200) }
```


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

```
.border{ border-color:rgb(127, 236, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 236, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 236, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 236, 200);  
box-shadow:4px 4px 4px 4px rgb(127, 236,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1732, 68.6731, 65.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 236, 200) }
```

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

```
.background{ background-color: rgb(127,  
236, 200) }
```

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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