

Converting Colors

XYZ(49.1047, 66.4626, 67.9648)

Have a look what the booklet for
XYZ(49.1047, 66.4626, 67.9648)
contains.

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Color

**XYZ(49.1111, 66.4651,
67.9982)**

Conversions

Conversions Part 1

Format	Color
Hex	84E7CD
RGB	132, 231, 205
RGB Percent	52%, 91%, 80%
CMY	0.4823, 0.0941, 0.1961
CMYK	0.43, 0.00, 0.11, 0.09
HSL	164°, 67%, 71%
HSV	164°, 43%, 91%
XYZ	49.1111, 66.4651, 67.9982
YIQ	198.4350, -50.6580, -29.0740

Conversions

Conversions Part 2

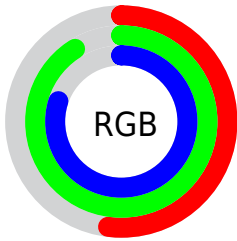
Format	Color
RYB	132, 189, 231
Decimal	8710093
CIELab	85.23, -35.13, 3.59
CIELCh	85, 35.311, 174.169
Yxy	66.4651, 0.2675, 0.3621
Android (android.graphics.Color)	4286900173 (0xFF84E7CD)
YUV	198.4350, 3.2365, -58.2635
Hunter-Lab	81.5261, -35.1429, 7.6165

Details

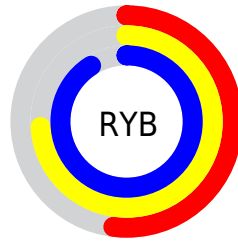
The XYZ color **49.1111, 66.4651, 67.9982** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.3801, 35.9619, 36.7946**, and the grayscale version is **53.9458, 56.7552, 61.8064**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.8175, 34.3902, 34.6608** is the 20% darker color. If you saturate the color by 10%, you get **45.1730, 64.5196, 64.0656**, and if you desaturate by 10%, it is **53.8811, 68.8395, 72.1209**.

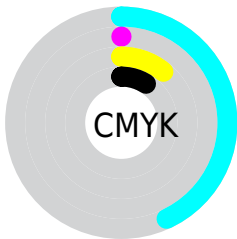
Distribution



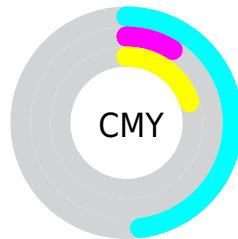
- Red (52%)
- Green (91%)
- Blue (80%)



- Red (52%)
- Yellow (74%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (48%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1111, 66.4651, 67.9982 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 49.1111, 66.4651, 67.9982 by changing the saturation by 10% instead.


 49.1111, 66.4651,
67.9982


 49.1111, 66.4651,
67.9982

373.6892,
448.0384, 472.0875


 34.9225, 48.6501,
49.4296


 88.0562, 114.1536,
118.0038

 23.7694, 34.3420,
34.5924


 113.5434,
144.7959, 150.2778

 15.2865, 23.1564,
23.0680


 143.5275,
180.4827, 187.9574

 9.1083, 14.7091,
14.4380

178.3739,
221.5984, 231.4611

 4.8696, 8.6155,
8.2837

218.4479,
268.5274, 281.2074

 2.2049, 4.4912,
4.1866

264.1149,

 0.7453, 1.9520,

321.6542, 337.6149

1.7283

315.7402,
381.3630, 401.1021

■ 0.0000, 0.5793,
0.3800

■ 0.0000, 0.0000,
0.0000

■ 49.1111, 66.4651,
67.9982

■ 49.1111, 66.4651,
67.9982

■ 45.1730, 64.5196,
64.0656

■ 53.8811, 68.8395,
72.1209

■ 42.0075, 62.9675,
60.3143


■ 59.5262, 71.6601,
76.4330

■ 39.5562, 61.7804,
56.7414


■ 66.0932, 74.9526,
80.9398


■ 37.7498, 60.9225,
53.3419


■ 73.6240, 78.7385,
85.6448


 36.5044, 60.3507,
50.1102


 82.1577, 83.0380,
90.5514

 35.8641, 60.0689,
47.8989

 85.7549, 84.7892,
95.3831

 86.6786, 85.1587,
100.2474

 87.6328, 85.5404,
105.2724

 87.8670, 85.6341,
106.5057

Harmonies

Analogous

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



51.5368, 66.4651, 49.5819



49.1111, 66.4651, 67.9982



50.1885, 66.4651, 91.8836

Triad

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



49.1111, 66.4651, 67.9982



69.6628, 66.4651, 120.2934



72.5831, 66.4651, 42.2802

Complementary

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



49.1111, 66.4651, 67.9982



47.3801, 35.9619, 36.7946

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.



78.2238, 66.4651, 55.8341



49.1111, 66.4651, 67.9982



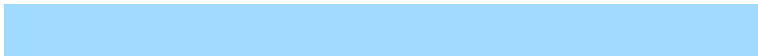
76.4409, 66.4651, 101.2467

Square

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



49.1111, 66.4651, 67.9982



61.6278, 66.4651, 125.4494



79.6917, 66.4651, 76.9236



64.7440, 66.4651, 36.8778

Rectangle

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



49.1111, 66.4651, 67.9982



52.7985, 66.4651, 107.4909



79.6917, 66.4651, 76.9236



74.8247, 66.4651, 45.8759

Sweetspot

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



49.1130, 66.4678, 67.9997



82.5179, 93.6978, 101.1612



46.9222, 66.1302, 32.1224



17.2512, 19.8489, 21.3805



0.0000, 0.0000, 0.0000



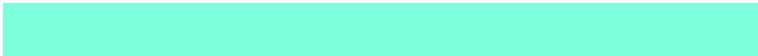
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1130, 66.4678, 67.9997



57.2403, 81.0883, 80.9314



46.4731, 55.7405, 83.9139



14.6373, 16.2684, 17.6209



20.1588, 33.6956, 27.1342



1.5273, 2.5051, 2.2035

Inverse Universe

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



47.3801, 35.9619, 36.7946



54.8346, 38.4215, 37.3758



48.8600, 42.1329, 27.3883



14.5316, 14.4298, 15.7339



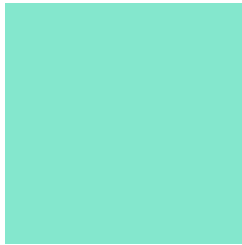
18.9858, 9.7285, 3.5541



1.4405, 0.7339, 0.4600

Previews

White Background



This preview shows how the XYZ color 49.1111, 66.4651, 67.9982 looks on a white background.

Color Contrast Check

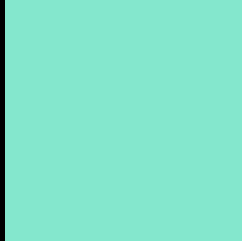
Large Text (above 18pt) WCAG AA × Fail

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 49.1111, 66.4651, 67.9982 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

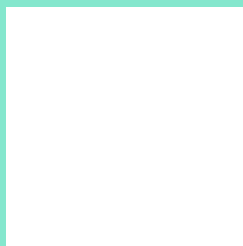
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1111, 66.4651, 67.9982

Background



This preview shows how black text looks on a background with the XYZ color 49.1111, 66.4651, 67.9982.



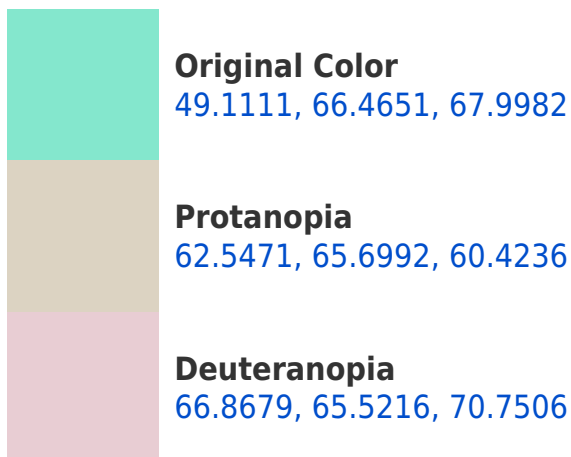
This preview shows how white text looks on a background with the XYZ color 49.1111, 66.4651,

67.9982.

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

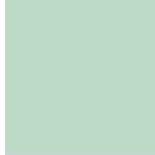
54.4097, 66.1329, 95.4852

Trichromacy



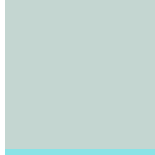
Original Color

49.1111, 66.4651, 67.9982



Protanomaly

56.0035, 64.9114, 63.0035



Deuteranomaly

58.3201, 64.4323, 69.6845



Tritanomaly

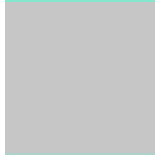
52.2332, 66.0546, 84.8597

Monochromacy



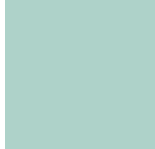
Original Color

49.1111, 66.4651, 67.9982



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.0448, 59.3089, 64.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1111, 66.4651, 67.9982 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(132, 231, 205)` looks like.

```
.text, #text, p{  
    color:rgb(132, 231, 205)  
}
```

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(132, 231, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 231, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.1111, 66.4651, 67.9982 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(132, 231, 205) }
```


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

```
.border{ border-color:rgb(132, 231, 205) }
```

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

Here you see how a box with a 4 pixel rgb(132, 231, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 231, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 231, 205);  
box-shadow:4px 4px 4px 4px rgb(132, 231,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1111, 66.4651, 67.9982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 231, 205) }
```

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

```
.background{ background-color: rgb(132,  
231, 205) }
```

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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