

Converting Colors

XYZ(49.2061, 69.9368, 66.9207)

Have a look what the booklet for
XYZ(49.2061, 69.9368, 66.9207)
contains.

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Color

**XYZ(49.1349, 69.9192,
66.7832)**

Conversions

Conversions Part 1

Format	Color
Hex	77EFCA
RGB	119, 239, 202
RGB Percent	47%, 94%, 79%
CMY	0.5333, 0.0627, 0.2078
CMYK	0.50, 0.00, 0.15, 0.06
HSL	161°, 79%, 70%
HSV	161°, 50%, 94%
XYZ	49.1349, 69.9192, 66.7832
YIQ	198.9020, -59.6430, -36.9470

Conversions

Conversions Part 2

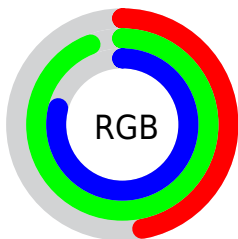
Format	Color
RYB	119, 190, 239
Decimal	7860170
CIELab	86.96, -42.50, 7.58
CIELCh	87, 43.167, 169.881
Yxy	69.9192, 0.2644, 0.3762
Android (android.graphics.Color)	4286050250 (0xFF77EFCA)
YUV	198.9020, 1.5273, -70.0741
Hunter-Lab	83.6177, -41.4419, 11.1791

Details

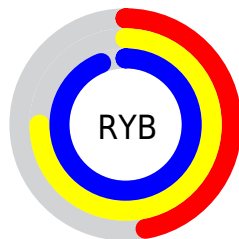
The XYZ color **49.1349, 69.9192, 66.7832** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1965, 33.9464, 35.4671**, and the grayscale version is **54.2449, 57.0698, 62.1491**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **23.7041, 36.4348, 33.8002** is the 20% darker color. If you saturate the color by 10%, you get **45.4065, 68.0974, 62.1629**, and if you desaturate by 10%, it is **53.7335, 72.1884, 71.6648**.

Distribution



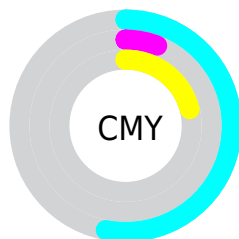
- Red (47%)
- Green (94%)
- Blue (79%)



- Red (47%)
- Yellow (75%)
- Blue (94%)



- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)




- Cyan (53%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1349, 69.9192, 66.7832 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 49.1349, 69.9192, 66.7832 by changing the saturation by 10% instead.


 49.1349, 69.9192,
66.7832


 49.1349, 69.9192,
66.7832

373.7813,
460.2663, 467.6531


 34.9415, 51.4607,
48.4480


 88.0913, 119.0935,
116.2474

 23.7841, 36.5754,
33.8193


 113.5850,
150.5781, 148.2135

 15.2974, 24.8789,
22.4786


 143.5761,
187.1735, 185.5602

 9.1161, 15.9868,
14.0073

178.4301,
229.2641, 228.7062

 4.8747, 9.5148,
7.9869

218.5122,
277.2342, 278.0699

 2.2079, 5.0785,
3.9989


264.1879,

 0.7469, 2.2934,

331.4684, 334.0700


1.6248


315.8225,
392.3509, 397.1249


 0.0000, 0.7702,
0.3084


 0.0000, 0.0000,
0.0000

 49.1349, 69.9192,
66.7832


 49.1349, 69.9192,
66.7832


 45.4065, 68.0974,
62.1629


 53.7335, 72.1884,
71.6648


 42.4789, 66.6818,
57.7932


 59.2535, 74.9259,
76.8085


 40.2813, 65.6379,
53.6691


 65.7490, 78.1614,
82.2213


 38.7271, 64.9211,
49.7835


 73.2681, 81.9195,
87.9082

 37.6873, 64.4633,
46.2004

 81.8555, 86.2234,
93.8741

 88.7761, 89.6628,
99.9937

 89.9315, 90.1249,
106.0779

 90.1577, 90.2154,
107.2692

Harmonies

Analogous

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



52.7022, 69.9192, 45.6570



49.1349, 69.9192, 66.7832



49.8366, 69.9192, 96.6220

Triad

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



49.1349, 69.9192, 66.7832



73.2714, 69.9192, 141.2133



79.7519, 69.9192, 41.0674

Complementary

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



49.1349, 69.9192, 66.7832



48.1965, 33.9464, 35.4671

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.



86.4120, 69.9192, 58.7620



49.1349, 69.9192, 66.7832



82.4162, 69.9192, 117.8190

Square

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



49.1349, 69.9192, 66.7832



63.1068, 69.9192, 144.9384



87.4335, 69.9192, 86.3108



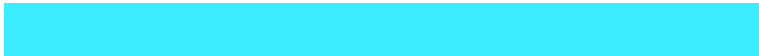
69.9218, 69.9192, 33.4994

Rectangle

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



49.1349, 69.9192, 66.7832



52.6578, 69.9192, 117.5826



87.4335, 69.9192, 86.3108



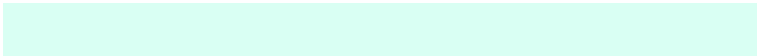
82.4760, 69.9192, 45.7829

Sweetspot

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



49.1368, 69.9220, 66.7848



80.5097, 92.7169, 98.6097



48.1031, 70.2359, 28.4755



16.8430, 19.6507, 20.8095



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.



49.1368, 69.9220, 66.7848



52.6028, 78.8901, 72.0149



48.0027, 59.7822, 90.6737



16.0278, 17.8411, 19.1691



20.8874, 35.6470, 25.8539



1.7820, 2.9832, 2.3842

Inverse Universe

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



48.1965, 33.9464, 35.4671



51.4304, 32.9383, 32.1552



48.4534, 38.7343, 22.3765



15.9735, 15.8391, 17.4166



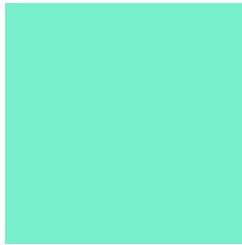
20.4004, 10.4326, 4.7590



1.7400, 0.8850, 0.6218

Previews

White Background



This preview shows how the XYZ color 49.1349, 69.9192, 66.7832 looks on a white background.

Color Contrast Check

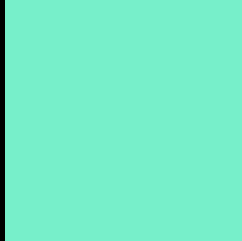
Large Text (above 18pt) WCAG AA × Fail

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 49.1349, 69.9192, 66.7832 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 49.1349, 69.9192, 66.7832

Background



This preview shows how black text looks on a background with the XYZ color 49.1349, 69.9192, 66.7832.



This preview shows how white text looks on a background with the XYZ color 49.1349, 69.9192,

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

49.1349, 69.9192, 66.7832

Protanopia

65.2142, 68.9982, 58.5960

Deuteranopia

70.1208, 68.6803, 69.2354



Tritanopia

55.9421, 69.6648, 101.7650

Trichromacy



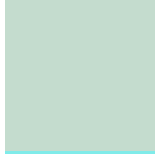
Original Color

49.1349, 69.9192, 66.7832



Protanomaly

56.8868, 67.7711, 61.1218



Deuteranomaly

59.4987, 67.3784, 68.2619



Tritanomaly

53.3184, 69.8890, 87.7706

Monochromacy



Original Color

49.1349, 69.9192, 66.7832



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.0495, 60.8093, 63.6904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1349, 69.9192, 66.7832 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(119, 239, 202)` looks like.

```
.text, #text, p{  
    color:rgb(119, 239, 202)  
}
```

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(119, 239, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 239, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.1349, 69.9192, 66.7832 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(119, 239, 202) }
```


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

```
.border{ border-color:rgb(119, 239, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 239, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 239, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 239, 202); box-shadow:4px 4px 4px 4px rgb(119, 239, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1349, 69.9192, 66.7832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 239, 202) }
```

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

```
.background{ background-color: rgb(119,  
239, 202) }
```

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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