

Converting Colors

XYZ(49.6868, 70.0478, 73.8526)

Have a look what the booklet for
XYZ(49.6868, 70.0478, 73.8526)
contains.

XYZ(49.6868, 70.0478, 73.8526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6868, 70.0478,
73.8526)**

Conversions

Conversions Part 1

Format	Color
Hex	71EFD5
RGB	113, 239, 213
RGB Percent	44%, 94%, 84%
CMY	0.5568, 0.0627, 0.1647
CMYK	0.53, 0.00, 0.11, 0.06
HSL	168°, 80%, 69%
HSV	168°, 53%, 94%
XYZ	49.6868, 70.0478, 73.8526
YIQ	198.3620, -66.7500, -34.7980

Conversions

Conversions Part 2

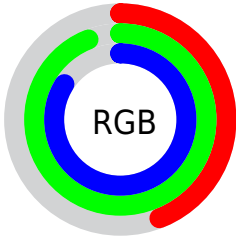
Format	Color
R _Y B	113, 183, 239
Decimal	7466965
CIE Lab	87.02, -41.27, 1.90
CIE LCh	87, 41.314, 177.368
Yxy	70.0478, 0.2567, 0.3618
Android (android.graphics.Color)	4285657045 (0xFF71EFD5)
YUV	198.3620, 7.2165, -74.8625
Hunter-Lab	83.6946, -40.4957, 6.2683

Details

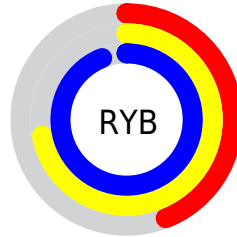
The XYZ color **49.6868, 70.0478, 73.8526** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.1643, 32.0270, 28.1774**, and the grayscale version is **53.8850, 56.6913, 61.7368**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **24.0262, 36.5054, 38.1277** is the 20% darker color. If you saturate the color by 10%, you get **46.3912, 68.4218, 70.4810**, and if you desaturate by 10%, it is **53.8149, 72.1042, 77.3656**.

Distribution



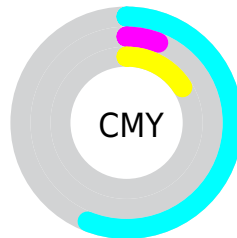
- Red (44%)
- Green (94%)
- Blue (84%)



- Red (44%)
- Yellow (72%)
- Blue (94%)



- Cyan (53%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)





- Cyan (56%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6868, 70.0478, 73.8526 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 49.6868, 70.0478, 73.8526 by changing the saturation by 10% instead.

 49.6868, 70.0478,
73.8526


 49.6868, 70.0478,
73.8526


375.9121,
460.7178, 493.1143


 35.3814, 51.5655,
54.1773


 88.9053, 119.2769,
126.4189

 24.1247, 36.6589,
38.3493


 114.5490,
150.7925, 160.1471

 15.5514, 24.9435,
25.9500


 144.7029,
187.4214, 199.3967

 9.2961, 16.0349,
16.5608

179.7323,
229.5478, 244.5862

 4.9935, 9.5489,
9.7632

220.0026,
277.5563, 296.1342

 2.2781, 5.1009,
5.1387

265.8791,

 0.7834, 2.3066,

331.8312, 354.4591

2.2687

317.7271,
392.7569, 419.9797

■ 0.0000, 0.7772,
0.7136

■ 0.0000, 0.0000,
0.0000

■ 49.6868, 70.0478,
73.8526

■ 49.6868, 70.0478,
73.8526

■ 46.3912, 68.4218,
70.4810

■ 53.8149, 72.1042,
77.3656

■ 43.8570, 67.1845,
67.2421


■ 58.8277, 74.6127,
81.0187


■ 42.0110, 66.2997,
64.1331


■ 64.7800, 77.6033,
84.8170

■ 40.7622, 65.7207,
61.1487


■ 71.7204, 81.1011,
88.7634


 40.1271, 65.4391,
59.0489

 79.6943, 85.1293,
92.8610

 88.2243, 89.4420,
97.0882

 88.9777, 89.7434,
101.0558

 89.7514, 90.0528,
105.1296

 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.



52.1228, 70.0478, 51.0209



49.6868, 70.0478, 73.8526



51.4014, 70.0478, 103.4453

Triad

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



49.6868, 70.0478, 73.8526



75.4917, 70.0478, 133.9683



77.1101, 70.0478, 39.6566

Complementary

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



49.6868, 70.0478, 73.8526



46.1643, 32.0270, 28.1774

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.



84.4824, 70.0478, 54.3271



49.6868, 70.0478, 73.8526



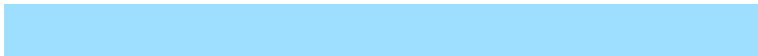
83.4863, 70.0478, 108.7183

Square

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



49.6868, 70.0478, 73.8526



65.7288, 70.0478, 142.7436



86.9204, 70.0478, 78.7399



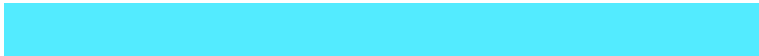
67.4352, 70.0478, 34.5020

Rectangle

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



49.6868, 70.0478, 73.8526



54.7688, 70.0478, 122.5082



86.9204, 70.0478, 78.7399



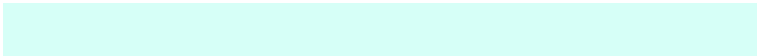
79.9740, 70.0478, 43.4331

Sweetspot

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



49.6888, 70.0506, 73.8542



80.2737, 92.5358, 101.2867



44.7152, 68.5296, 26.4950



16.8232, 19.6257, 21.4769



0.0000, 0.0000, 0.0000



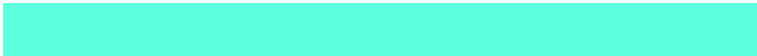
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6888, 70.0506, 73.8542



53.5764, 79.1840, 81.4601



43.8191, 52.5989, 89.5076



16.0995, 17.8698, 19.5467



22.2234, 36.1814, 32.8888



1.8835, 3.0239, 2.9191

Inverse Universe

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



46.1643, 32.0270, 28.1774



49.1375, 30.8733, 23.6203



49.2796, 40.9453, 20.9301



15.9062, 15.8122, 17.0623



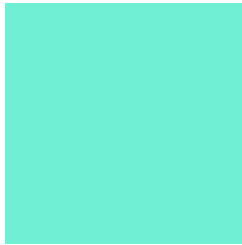
20.0195, 10.2802, 2.7535



1.7003, 0.8692, 0.4126

Previews

White Background



This preview shows how the XYZ color 49.6868, 70.0478, 73.8526 looks on a white background.

Color Contrast Check

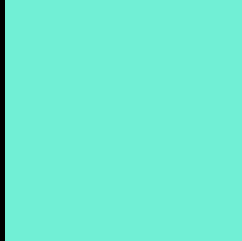
Large Text (above 18pt) WCAG AA × Fail

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 49.6868, 70.0478, 73.8526 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

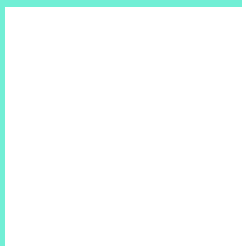
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6868, 70.0478, 73.8526

Background



This preview shows how black text looks on a background with the XYZ color 49.6868, 70.0478, 73.8526.

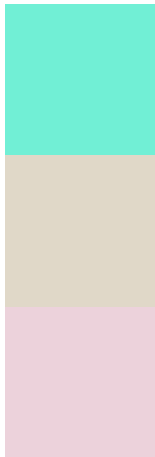


This preview shows how white text looks on a background with the XYZ color 49.6868, 70.0478,

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

49.6868, 70.0478, 73.8526

Protanopia

65.7217, 69.1292, 64.5229

Deuteranopia

70.4248, 69.0405, 76.6322



Tritanopia

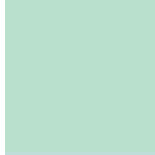
55.3138, 69.7417, 102.6416

Trichromacy



Original Color

49.6868, 70.0478, 73.8526



Protanomaly

57.4423, 67.9094, 67.8379



Deuteranomaly

59.8667, 67.7990, 75.5768



Tritanomaly

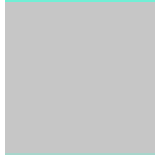
53.0261, 69.6547, 91.5388

Monochromacy



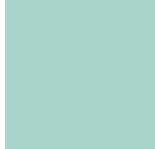
Original Color

49.6868, 70.0478, 73.8526



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.5101, 60.1158, 65.4413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6868, 70.0478, 73.8526 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(113, 239, 213)` looks like.

```
.text, #text, p{  
    color:rgb(113, 239, 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(113, 239, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 239, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.6868, 70.0478, 73.8526 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(113, 239, 213) }
```


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

```
.border{ border-color:rgb(113, 239, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 239, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 239, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 239, 213);  
box-shadow:4px 4px 4px 4px rgb(113, 239,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6868, 70.0478, 73.8526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 239, 213) }
```

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

```
.background{ background-color: rgb(113,  
239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor