

Converting Colors

XYZ(50.1986, 73.0014, 68.5717)

Have a look what the booklet for
XYZ(50.1986, 73.0014, 68.5717)
contains.

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Color

**XYZ(50.2336, 73.1092,
68.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	70F5CC
RGB	112, 245, 204
RGB Percent	44%, 96%, 80%
CMY	0.5608, 0.0392, 0.2000
CMYK	0.54, 0.00, 0.17, 0.04
HSL	162°, 87%, 70%
HSV	162°, 54%, 96%
XYZ	50.2336, 73.1092, 68.5906
YIQ	200.5590, -66.1070, -40.9470

Conversions

Conversions Part 2

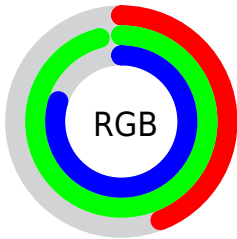
Format	Color
RYB	112, 191, 245
Decimal	7402956
CIELab	88.50, -46.18, 8.72
CIELCh	88, 46.992, 169.301
Yxy	73.1092, 0.2617, 0.3809
Android (android.graphics.Color)	4285593036 (0xFF70F5CC)
YUV	200.5590, 1.6964, -77.6662
Hunter-Lab	85.5039, -44.7630, 12.2908

Details

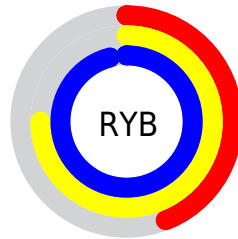
The XYZ color **50.2336, 73.1092, 68.5906** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.2026, 33.3027, 33.9746**, and the grayscale version is **55.2654, 58.1435, 63.3183**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **24.4845, 38.6820, 35.0301** is the 20% darker color. If you saturate the color by 10%, you get **46.6463, 71.3639, 63.8088**, and if you desaturate by 10%, it is **54.7168, 75.3150, 73.6469**.

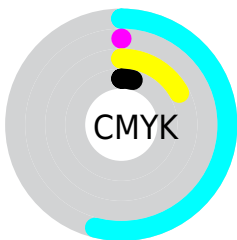
Distribution



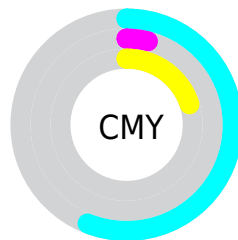
- Red (44%)
- Green (96%)
- Blue (80%)



- Red (44%)
- Yellow (75%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)




- Cyan (56%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2336, 73.1092, 68.5906 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 50.2336, 73.1092, 68.5906 by changing the saturation by 10% instead.


 50.2336, 73.1092,
68.5906


 50.2336, 73.1092,
68.5906


378.0157,
471.3932, 474.2405


 35.8176, 54.0653,
49.9087


 89.7106, 123.6322,
118.8588

 24.4628, 38.6538,
34.9702


 115.5024,
155.8801, 151.2822

 15.8039, 26.4905,
23.3565

 145.8168,
193.2981, 189.1232

 9.4754, 17.1910,
14.6492

181.0192,
236.2705, 232.8003

 5.1122, 10.3707,
8.4297

221.4749,
285.1819, 282.7320

 2.3487, 5.6455,
4.2794


267.5493,

 0.8194, 2.6307,


340.4165, 339.3369


1.7798


319.6078,
402.3588, 403.0336

 0.0000, 0.9421,
0.4146


 0.0000, 0.0000,
0.0000


 50.2336, 73.1092,
68.5906


 50.2336, 73.1092,
68.5906


 46.6463, 71.3639,
63.8088


 54.7168, 75.3150,
73.6469


 43.8778, 70.0338,
59.2900


 60.1531, 78.0051,
78.9787


 41.8474, 69.0793,
55.0285

 66.6019, 81.2120,
84.5935


 40.4543, 68.4485,
51.0164

 74.1159, 84.9627,
90.4968

 39.8595, 68.1897,
48.8301

 82.7440, 89.2825,
96.6939

 91.0427, 93.4270,
103.1200

 91.9437, 93.7874,
107.8646

Harmonies

Analogous

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



54.2694, 73.1092, 45.5036



50.2336, 73.1092, 68.5906



50.9167, 73.1092, 102.0163

Triad

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



50.2336, 73.1092, 68.5906



76.9272, 73.1092, 154.0469



84.6568, 73.1092, 41.1039

Complementary

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



50.2336, 73.1092, 68.5906



49.2026, 33.3027, 33.9746

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.



92.1017, 73.1092, 60.7402



50.2336, 73.1092, 68.5906



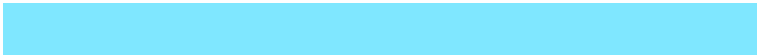
87.3151, 73.1092, 127.5191

Square

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



50.2336, 73.1092, 68.5906



65.5281, 73.1092, 157.8320



93.1241, 73.1092, 91.7363



73.6046, 73.1092, 32.7457

Rectangle

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



50.2336, 73.1092, 68.5906



53.9805, 73.1092, 125.9310



93.1241, 73.1092, 91.7363



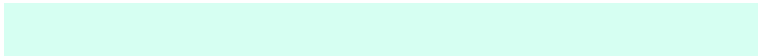
87.7131, 73.1092, 46.3106

Sweetspot

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



50.2356, 73.1121, 68.5923



79.6404, 92.2824, 97.9518



48.9280, 73.3592, 26.9115



16.6713, 19.5649, 20.6771



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.



50.2356, 73.1121, 68.5923



50.7911, 78.0111, 69.4453



48.9212, 61.5508, 95.6916



16.7665, 18.6657, 20.0546



21.5372, 36.7597, 26.6463



1.9388, 3.2492, 2.5836

Inverse Universe

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



49.2026, 33.3027, 33.9746



49.5926, 30.3502, 28.1903



49.4414, 38.3009, 20.1175



16.7095, 16.5666, 18.2167



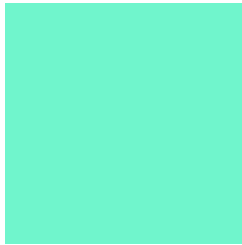
21.0344, 10.7572, 4.8895



1.8928, 0.9631, 0.6619

Previews

White Background



This preview shows how the XYZ color 50.2336, 73.1092, 68.5906 looks on a white background.

Color Contrast Check

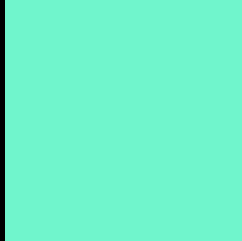
Large Text (above 18pt) WCAG AA × Fail

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 50.2336, 73.1092, 68.5906 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 50.2336, 73.1092, 68.5906

Background



This preview shows how black text looks on a background with the XYZ color 50.2336, 73.1092, 68.5906.

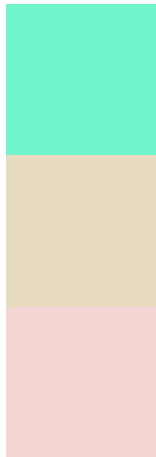


This preview shows how white text looks on a background with the XYZ color 50.2336, 73.1092,

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

50.2336, 73.1092, 68.5906

Protanopia

67.9522, 71.9369, 59.5940

Deuteranopia

73.2083, 71.7041, 71.6098



Tritanopia

58.4875, 73.0226, 105.6199

Trichromacy



Original Color

50.2336, 73.1092, 68.5906



Protanomaly

58.7222, 70.7155, 62.7790



Deuteranomaly

61.3363, 70.2748, 70.0061



Tritanomaly

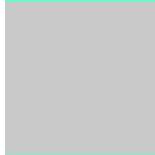
55.0528, 72.8883, 90.5241

Monochromacy



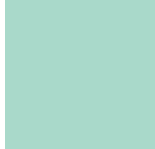
Original Color

50.2336, 73.1092, 68.5906



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.8357, 62.3250, 65.1750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2336, 73.1092, 68.5906 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(112, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(112, 245, 204)  
}
```

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(112, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 245, 204) }
```

Border

The CSS property to change the border of an element to XYZ 50.2336, 73.1092, 68.5906 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(112, 245, 204) }
```


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

```
.border{ border-color:rgb(112, 245, 204) }
```

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

Here you see how a box with a 4 pixel rgb(112, 245, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(112, 245,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2336, 73.1092, 68.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 245, 204) }
```

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

```
.background{ background-color: rgb(112,  
245, 204) }
```

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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