

Converting Colors

XYZ(35.9204, 43.3512, 70.2274)

Have a look what the booklet for
XYZ(35.9204, 43.3512, 70.2274)
contains.

XYZ(35.9713, 43.5215, 70.1229)	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(35.9713, 43.5215,
70.1229)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBBD6
RGB	107, 187, 214
RGB Percent	42%, 73%, 84%
CMY	0.5804, 0.2667, 0.1608
CMYK	0.50, 0.13, 0.00, 0.16
HSL	195°, 57%, 63%
HSV	195°, 50%, 84%
XYZ	35.9713, 43.5215, 70.1229
YIQ	166.1580, -56.3470, -8.5630

Conversions

Conversions Part 2

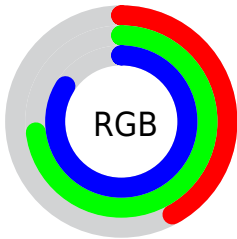
Format	Color
RYB	107, 153, 214
Decimal	7060438
CIELab	71.91, -17.24, -21.15
CIELCh	72, 27.289, 230.809
Yxy	43.5215, 0.2404, 0.2909
Android (android.graphics.Color)	4285250518 (0xFF6BBBD6)
YUV	166.1580, 23.5861, -51.8816
Hunter-Lab	65.9708, -18.1199, -16.8420

Details

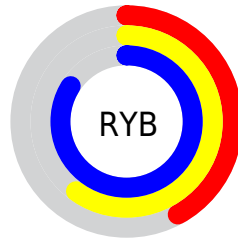
The XYZ color **35.9713, 43.5215, 70.1229** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.9114, 32.4089, 18.1159**, and the grayscale version is **36.2322, 38.1190, 41.5116**.

A 20% lighter version of the original color is **65.4104, 79.2137, 106.4500**, and **15.9098, 20.1342, 35.8486** is the 20% darker color. If you saturate the color by 10%, you get **32.5860, 40.1084, 69.6433**, and if you desaturate by 10%, it is **40.0391, 47.3522, 70.6487**.

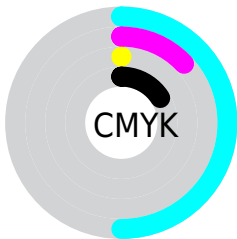
Distribution



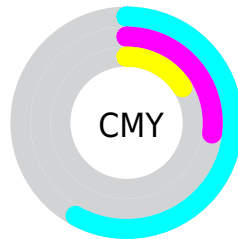
- Red (42%)
- Green (73%)
- Blue (84%)



- Red (42%)
- Yellow (60%)
- Blue (84%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9713, 43.5215, 70.1229 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 35.9713, 43.5215, 70.1229 by changing the saturation by 10% instead.

■ 35.9713, 43.5215,
70.1229

■ 35.9713, 43.5215,
70.1229

320.2685,
360.7521, 479.7822

■ 24.5820, 30.2945,
51.1493

■ 68.3119, 80.4972,
121.0668

■ 15.8930, 20.0622,
35.9499

■ 89.9940, 105.0148,
153.8741

■ 9.5388, 12.4403,
24.1061

■ 115.8377,
134.0646, 192.1298

■ 5.1542, 7.0443,
15.1994

146.2085,
168.0311, 236.2524

■ 2.3737, 3.4898,
8.8113

181.4715,
207.2987, 286.6603

■ 0.8320, 1.3925,
4.5232

221.9923,

■ 0.0000, 0.2112,

252.2518, 343.7723

1.9165

268.1362,
303.2748, 408.0067

■ 0.0000, 0.0000,
0.5032

■ 0.0000, 0.0000,
0.0000

■ 35.9713, 43.5215,
70.1229

■ 35.9713, 43.5215,
70.1229

■ 32.5860, 40.1084,
69.6433

■ 40.0391, 47.3522,
70.6487

■ 29.8307, 37.0825,
69.2045

■ 44.8285, 51.6187,
71.2198

■ 27.6517, 34.4162,
68.8047

■ 50.3808, 56.3437,
71.8392

■ 25.9837, 32.0752,
68.4407

■ 56.7325, 61.5467,
72.5087

■ 24.7093, 29.9981,
68.1070

■ 63.9179, 67.2462,
73.2301

■ 24.7091, 29.9978,
68.1069

■ 71.9692, 73.4594,
74.0050

■ 80.2494, 79.8584,
74.8037

■ 81.7307, 82.8210,
75.2975

■ 83.2586, 85.8767,
75.8068

Harmonies

Analogous

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



33.5612, 43.5215, 57.0747



35.9713, 43.5215, 70.1229



39.9547, 43.5215, 77.4124

Triad

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



35.9713, 43.5215, 70.1229



50.8308, 43.5215, 51.5947



38.2714, 43.5215, 27.2618

Complementary

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



35.9713, 43.5215, 70.1229



38.9114, 32.4089, 18.1159

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.



42.8100, 43.5215, 26.3447



35.9713, 43.5215, 70.1229



50.2955, 43.5215, 38.8636

Square

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



35.9713, 43.5215, 70.1229



48.6867, 43.5215, 65.4722



47.2745, 43.5215, 30.1888



34.8184, 43.5215, 32.9834

Rectangle

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



35.9713, 43.5215, 70.1229



43.0647, 43.5215, 77.2385



47.2745, 43.5215, 30.1888



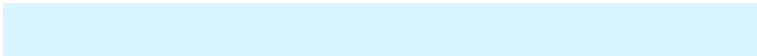
39.7123, 43.5215, 26.4297

Sweetspot

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



35.9727, 43.5231, 70.1239



79.3490, 87.4493, 107.3050



34.3967, 52.9342, 30.8687



16.5603, 18.3692, 22.9227



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.



35.9727, 43.5231, 70.1239



48.1864, 59.3587, 103.5254



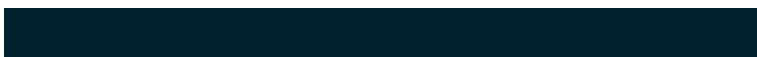
26.6928, 24.9634, 67.0306



12.5145, 13.5525, 15.8938



15.0217, 18.3052, 41.1947



0.9702, 1.2323, 2.5060

Inverse Universe

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



41.9600, 28.4007, 50.2858



58.4371, 35.7410, 69.0519



48.2098, 51.0056, 21.2153



12.8129, 12.5767, 14.9551



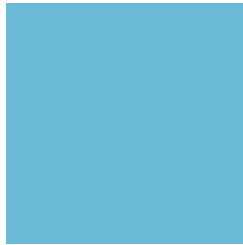
20.6411, 10.1928, 21.2120



1.2773, 0.6277, 1.4499

Previews

White Background



This preview shows how the XYZ color 35.9713, 43.5215, 70.1229 looks on a white background.

Color Contrast Check

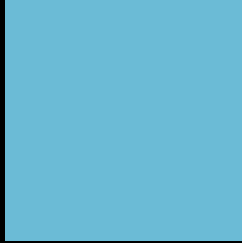
Large Text (above 18pt) WCAG AA × Fail

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 35.9713, 43.5215, 70.1229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

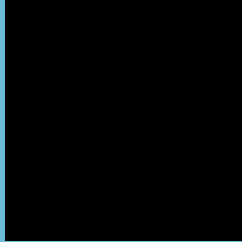
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9713, 43.5215, 70.1229

Background



This preview shows how black text looks on a background with the XYZ color 35.9713, 43.5215, 70.1229.



This preview shows how white text looks on a background with the XYZ color 35.9713, 43.5215,

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

35.9713, 43.5215, 70.1229

Protanopia

42.5177, 43.1149, 63.8387

Deuteranopia

44.0715, 43.1727, 71.6560



Tritanopia

34.8056, 43.6979, 63.7268

Trichromacy



Original Color

35.9713, 43.5215, 70.1229

Protanomaly

39.3593, 42.9053, 65.8816

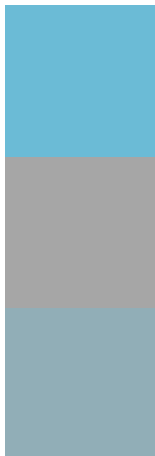
Deuteranomaly

40.3296, 42.6980, 71.0817

Tritanomaly

35.1941, 43.5238, 66.2205

Monochromacy



Original Color

35.9713, 43.5215, 70.1229

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.3603, 39.7107, 50.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9713, 43.5215, 70.1229 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(107, 187, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 187, 214)  
}
```

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(107, 187, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 187, 214) }
```

Border

The CSS property to change the border of an element to XYZ 35.9713, 43.5215, 70.1229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

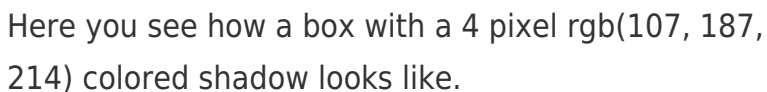
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 187, 214) }
```


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

```
.border{ border-color:rgb(107, 187, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 187, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 187, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 187, 214);  
box-shadow:4px 4px 4px 4px rgb(107, 187,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9713, 43.5215, 70.1229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 187, 214) }
```

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

```
.background{ background-color: rgb(107,  
187, 214) }
```

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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