

Converting Colors

XYZ(53.5268, 70.9644, 85.7654)

Have a look what the booklet for
XYZ(53.5268, 70.9644, 85.7654)
contains.

XYZ(53.4692, 70.8707, 85.7242)	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(53.4692, 70.8707,
85.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	80EDE6
RGB	128, 237, 230
RGB Percent	50%, 93%, 90%
CMY	0.4980, 0.0706, 0.0980
CMYK	0.46, 0.00, 0.03, 0.07
HSL	176°, 75%, 72%
HSV	176°, 46%, 93%
XYZ	53.4692, 70.8707, 85.7242
YIQ	203.6110, -62.7170, -25.2850

Conversions

Conversions Part 2

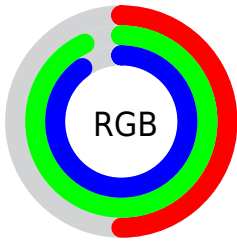
Format	Color
RYB	128, 184, 237
Decimal	8449510
CIELab	87.42, -33.03, -6.36
CIELCh	87, 33.638, 190.903
Yxy	70.8707, 0.2545, 0.3374
Android (android.graphics.Color)	4286639590 (0xFF80EDE6)
YUV	203.6110, 13.0098, -66.3108
Hunter-Lab	84.1847, -33.9506, -1.4449

Details

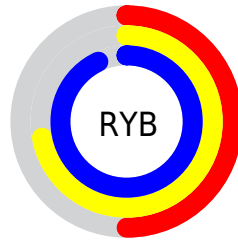
The XYZ color **53.4692, 70.8707, 85.7242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0198, 35.1942, 27.2392**, and the grayscale version is **57.0998, 60.0734, 65.4199**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **26.5765, 37.3362, 46.3633** is the 20% darker color. If you saturate the color by 10%, you get **50.0999, 69.1600, 84.4567**, and if you desaturate by 10%, it is **57.6771, 73.0168, 87.0438**.

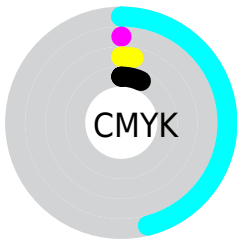
Distribution



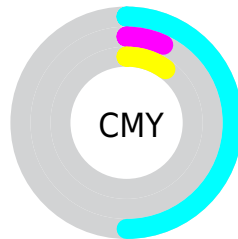
- Red (50%)
- Green (93%)
- Blue (90%)



- Red (50%)
- Yellow (72%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4692, 70.8707, 85.7242 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 53.4692, 70.8707, 85.7242 by changing the saturation by 10% instead.


 53.4692, 70.8707,
85.7242


 53.4692, 70.8707,
85.7242


390.3141,
463.6013, 534.2283


 38.4064, 52.2367,
63.8863


 94.4559, 120.4496,
143.2677

 26.4769, 37.1938,
46.1130

 121.1106,
152.1633, 179.8104

 17.3153, 25.3576,
31.9857


 152.3599,
189.0056, 222.0918

 10.5563, 16.3436,
21.0859

188.5692,
231.3610, 270.5305

 5.8344, 9.7677,
12.9949

230.1040,
279.6139, 325.5449

 2.7843, 5.2452,
7.2944

277.3295,

 1.0408, 2.3918,

334.1487, 387.5537

3.5656

330.6111,
395.3497, 456.9753

■ 0.0000, 0.8217,
1.3902

■ 0.0000, 0.0000,
0.1341

■ 53.4692, 70.8707,
85.7242

■ 53.4692, 70.8707,
85.7242

■ 50.0999, 69.1600,
84.4567

■ 57.6771, 73.0168,
87.0438

■ 47.5039, 67.8462,
83.2335

■ 62.7703, 75.6175,
88.4131


■ 45.6171, 66.8976,
82.0533


■ 68.7998, 78.7005,
89.8360

■ 44.3616, 66.2744,
80.9122


■ 75.8108, 82.2893,
91.3146

 43.6413, 65.9268,
79.8059


 83.8453, 86.4056,
92.8510

 43.4405, 65.8327,
79.3691

 87.1256, 88.0707,
94.1748

 87.3517, 88.1612,
95.3655

 87.5797, 88.2524,
96.5663

 87.8096, 88.3444,
97.7771

Harmonies

Analogous

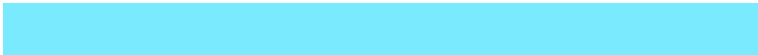
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9542, 70.8707, 63.7418



53.4692, 70.8707, 85.7242



56.4801, 70.8707, 109.4380

Triad

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



53.4692, 70.8707, 85.7242



77.8463, 70.8707, 115.1035



72.4736, 70.8707, 42.8181

Complementary

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



53.4692, 70.8707, 85.7242



47.0198, 35.1942, 27.2392

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.



79.5555, 70.8707, 51.9582



53.4692, 70.8707, 85.7242



82.8217, 70.8707, 92.3542

Square

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



53.4692, 70.8707, 85.7242



70.2859, 70.8707, 128.4826



83.4707, 70.8707, 69.1975



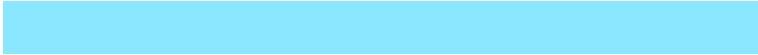
64.5173, 70.8707, 41.7367

Rectangle

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



53.4692, 70.8707, 85.7242



60.2139, 70.8707, 121.9610



83.4707, 70.8707, 69.1975



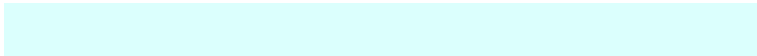
75.0512, 70.8707, 44.9513

Sweetspot

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



53.4713, 70.8735, 85.7259



82.7467, 93.6998, 106.4083



44.2173, 67.3027, 31.0839



17.3500, 19.8708, 22.6961



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.



53.4713, 70.8735, 85.7259



59.4304, 81.8011, 99.8377



42.5533, 47.4320, 87.0363



15.4735, 17.1042, 19.1760



23.7349, 35.9484, 43.4305



1.8764, 2.8279, 3.4770

Inverse Universe

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



47.0198, 35.1942, 27.2392



50.9652, 34.9137, 23.0421



54.1992, 50.3164, 27.2791



15.1047, 15.0697, 15.8367



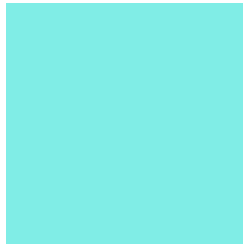
19.1319, 9.8555, 1.2300



1.5161, 0.7794, 0.1693

Previews

White Background



This preview shows how the XYZ color 53.4692, 70.8707, 85.7242 looks on a white background.

Color Contrast Check

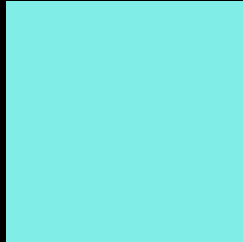
Large Text (above 18pt) WCAG AA × Fail

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 53.4692, 70.8707, 85.7242 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

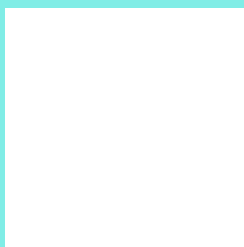
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4692, 70.8707, 85.7242

Background



This preview shows how black text looks on a background with the XYZ color 53.4692, 70.8707, 85.7242.

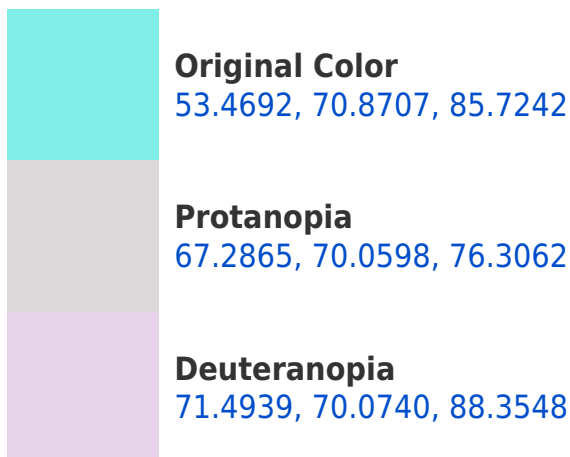


This preview shows how white text looks on a background with the XYZ color 53.4692, 70.8707,

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

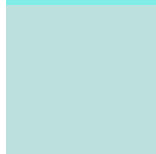
56.9852, 71.0248, 102.8012

Trichromacy



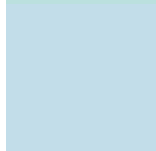
Original Color

53.4692, 70.8707, 85.7242



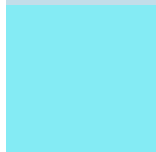
Protanomaly

60.3340, 69.1500, 79.2746



Deuteranomaly

62.8126, 69.0654, 87.1112



Tritanomaly

55.5532, 70.8538, 96.3361

Monochromacy



Original Color

53.4692, 70.8707, 85.7242



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4706, 63.1459, 72.2683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4692, 70.8707, 85.7242 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(128, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 237, 230)  
}
```

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(128, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 237, 230) }
```

Border

The CSS property to change the border of an element to XYZ 53.4692, 70.8707, 85.7242 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(128, 237, 230) }
```


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

```
.border{ border-color:rgb(128, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 237,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4692, 70.8707, 85.7242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 237, 230) }
```

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

```
.background{ background-color: rgb(128,  
237, 230) }
```

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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