

Converting Colors

XYZ(42.2807, 59.3658, 64.0060)

Have a look what the booklet for
XYZ(42.2807, 59.3658, 64.0060)
contains.

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Color

**XYZ(42.2555, 59.3557,
63.8733)**

Conversions

Conversions Part 1

Format	Color
Hex	68DEC8
RGB	104, 222, 200
RGB Percent	41%, 87%, 78%
CMY	0.5921, 0.1294, 0.2157
CMYK	0.53, 0.00, 0.10, 0.13
HSL	169°, 64%, 64%
HSV	169°, 53%, 87%
XYZ	42.2555, 59.3557, 63.8733
YIQ	184.2100, -63.2660, -31.8580

Conversions

Conversions Part 2

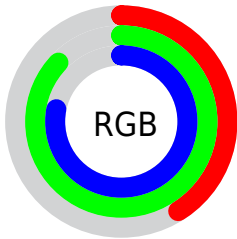
Format	Color
RYB	104, 169, 222
Decimal	6872776
CIELab	81.49, -38.59, 0.66
CIELCh	81, 38.598, 179.025
Yxy	59.3557, 0.2553, 0.3587
Android (android.graphics.Color)	4285062856 (0xFF68DEC8)
YUV	184.2100, 7.7845, -70.3442
Hunter-Lab	77.0427, -36.9229, 4.7746

Details

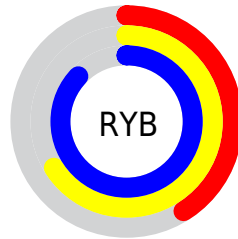
The XYZ color **42.2555, 59.3557, 63.8733** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **38.8424, 26.9382, 22.8931**, and the grayscale version is **45.6608, 48.0388, 52.3142**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **19.5521, 29.7228, 31.9007** is the 20% darker color. If you saturate the color by 10%, you get **39.5330, 58.0088, 61.2556**, and if you desaturate by 10%, it is **45.6727, 61.0621, 66.5945**.

Distribution



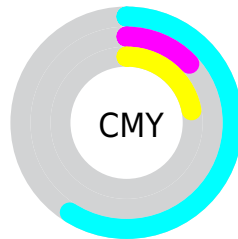
- Red (41%)
- Green (87%)
- Blue (78%)



- Red (41%)
- Yellow (66%)
- Blue (87%)



- Cyan (53%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (59%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2555, 59.3557, 63.8733 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 42.2555, 59.3557, 63.8733 by changing the saturation by 10% instead.

 42.2555, 59.3557,
63.8733


 42.2555, 59.3557,
63.8733


346.5146,
422.2188, 456.9269

 29.4934, 42.8995,
46.1025


 77.8489, 103.8945,
112.0262

 19.6005, 29.8063,
31.9775


 101.4109,
132.7458, 143.2453

 12.2116, 19.6916,
21.0796


 129.3036,
166.4977, 179.7844

 6.9612, 12.1711,
12.9904

161.8923,
205.5345, 222.0619

 3.4839, 6.8603,
7.2913

199.5424,
250.2407, 270.4963

 1.4145, 3.3749,
3.5637

242.6193,

 0.2666, 1.3304,

301.0005, 325.5063

1.3892

291.4882,
358.1984, 387.5103

■ 0.0000, 0.1646,
0.1333

■ 0.0000, 0.0000,
0.0000

■ 42.2555, 59.3557,
63.8733

■ 42.2555, 59.3557,
63.8733

■ 39.5330, 58.0088,
61.2556

■ 45.6727, 61.0621,
66.5945

■ 37.4456, 56.9864,
58.7342


■ 49.8281, 63.1461,
69.4179


■ 35.9320, 56.2582,
56.3069


■ 54.7677, 65.6329,
72.3474


■ 34.9161, 55.7852,
53.9697


■ 60.5322, 68.5433,
75.3854


 34.4227, 55.5647,
52.4169

 67.1594, 71.8969,
78.5343

 74.6849, 75.7120,
81.7962

 81.5020, 79.1604,
85.0964

 82.0870, 79.3944,
88.1769

 82.6859, 79.6340,
91.3304

Harmonies

Analogous

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



44.1086, 59.3557, 44.3147



42.2555, 59.3557, 63.8733



43.8844, 59.3557, 88.7270

Triad

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



42.2555, 59.3557, 63.8733



64.2999, 59.3557, 111.9015



64.8014, 59.3557, 33.4768

Complementary

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



42.2555, 59.3557, 63.8733



38.8424, 26.9382, 22.8931

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.



71.1310, 59.3557, 45.3434



42.2555, 59.3557, 63.8733



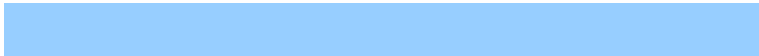
70.8225, 59.3557, 90.3585

Square

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



42.2555, 59.3557, 63.8733



56.1516, 59.3557, 120.1497



73.4314, 59.3557, 65.3892



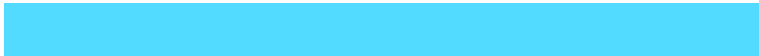
56.6809, 59.3557, 29.5500

Rectangle

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



42.2555, 59.3557, 63.8733



46.8232, 59.3557, 104.4084



73.4314, 59.3557, 65.3892



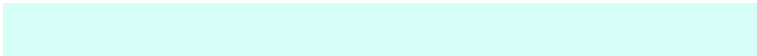
67.2366, 59.3557, 36.5043

Sweetspot

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



42.2572, 59.3580, 63.8747



80.3991, 92.5859, 101.9470



37.4638, 57.8026, 22.2803



16.8533, 19.6377, 21.6355



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.



42.2572, 59.3580, 63.8747



53.6857, 79.1978, 83.3842



36.5811, 43.5902, 75.5956



14.0012, 15.5262, 17.0416



20.4843, 33.0186, 31.3369



1.4486, 2.3002, 2.3234

Inverse Universe

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



38.8424, 26.9382, 22.8931



48.5770, 30.2905, 21.7735



41.9155, 35.1122, 17.6660



13.8111, 13.7421, 14.7755



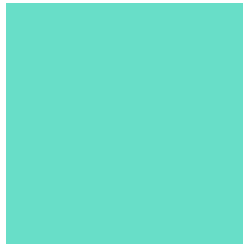
18.1650, 9.3330, 2.2688



1.2897, 0.6592, 0.3187

Previews

White Background



This preview shows how the XYZ color 42.2555, 59.3557, 63.8733 looks on a white background.

Color Contrast Check

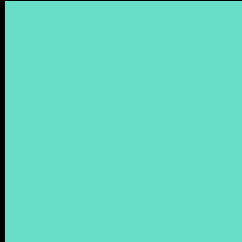
Large Text (above 18pt) WCAG AA × Fail

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 42.2555, 59.3557, 63.8733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

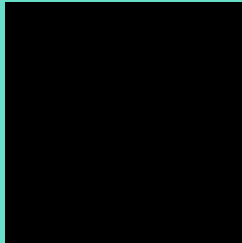
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

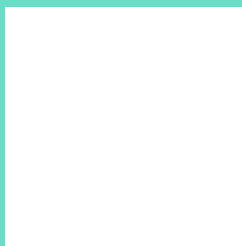
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2555, 59.3557, 63.8733

Background



This preview shows how black text looks on a background with the XYZ color 42.2555, 59.3557, 63.8733.

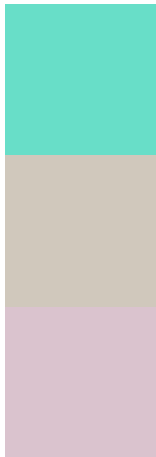


This preview shows how white text looks on a background with the XYZ color 42.2555, 59.3557,

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

42.2555, 59.3557, 63.8733

Protanopia

55.7438, 58.3493, 55.9015

Deuteranopia

59.5691, 58.3919, 66.5236



Tritanopia

47.0107, 59.3369, 87.5727

Trichromacy



Original Color

42.2555, 59.3557, 63.8733



Protanomaly

48.6479, 57.4636, 58.3967



Deuteranomaly

50.8619, 57.3694, 65.5194



Tritanomaly

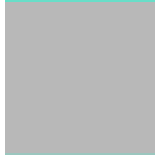
45.1984, 59.3817, 78.1868

Monochromacy



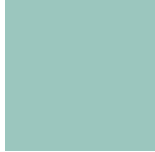
Original Color

42.2555, 59.3557, 63.8733



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.0059, 51.0744, 56.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2555, 59.3557, 63.8733 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(104, 222, 200)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 200)  
}
```

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(104, 222, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.2555, 59.3557, 63.8733 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(104, 222, 200) }
```


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

```
.border{ border-color:rgb(104, 222, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(104, 222,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2555, 59.3557, 63.8733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 200) }
```

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

```
.background{ background-color: rgb(104,  
222, 200) }
```

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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