

Converting Colors

XYZ(55.8347, 79.7838,
107.0648)

Have a look what the booklet for
XYZ(55.8347, 79.7838, 107.0648)
contains.

XYZ(55.8599, 79.7968, 107.0659)	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(55.8599, 79.7968,
107.0659)**

Conversions

Conversions Part 1

Format	Color
Hex	3FFFFFF
RGB	63, 255, 255
RGB Percent	25%, 100%, 100%
CMY	0.7529, 0.0000, 0.0000
CMYK	0.75, 0.00, 0.00, 0.00
HSL	180°, 100%, 62%
HSV	180°, 75%, 100%
XYZ	55.8599, 79.7968, 107.0659
YIQ	197.5920, -114.4320, -40.7040

Conversions

Conversions Part 2

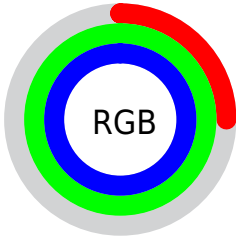
Format	Color
RYB	63, 159, 255
Decimal	4194303
CIELab	91.59, -44.95, -13.37
CIELCh	92, 46.897, 196.571
Yxy	79.7968, 0.2301, 0.3288
Android (android.graphics.Color)	4282384383 (0xFF3FFFFFFF)
YUV	197.5920, 28.3021, -118.0372
Hunter-Lab	89.3291, -44.7049, -8.5321

Details

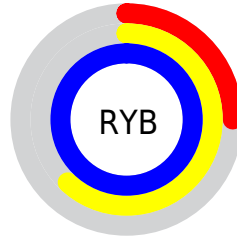
The XYZ color **55.8599, 79.7968, 107.0659** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.9159, 25.1757, 7.2495**, and the grayscale version is **53.3146, 56.0911, 61.0832**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **54.5915, 79.1429, 107.0066**, and if you desaturate by 10%, it is **57.8834, 80.8399, 107.1606**.

Distribution



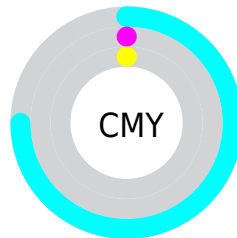
- Red (25%)
- Green (100%)
- Blue (100%)



- Red (25%)
- Yellow (62%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8599, 79.7968, 107.0659 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 55.8599, 79.7968, 107.0659 by changing the saturation by 10% instead.


 55.8599, 79.7968,
107.0659


 55.8599, 79.7968,
107.0659


399.2469,
494.2478, 604.0559

 40.3272, 59.5512,
81.5649


 97.9407, 133.0800,
172.9702


 27.9791, 43.0570,
60.4732


 125.2195,
166.8864, 214.2106

 18.4503, 29.9298,
43.3724


 157.1443,
205.9817, 261.5345

 11.3754, 19.7853,
29.8438

 194.0806,
250.7505, 315.3605

 6.3891, 12.2391,
19.4690

236.3936,
301.5771, 376.1071

 3.1260, 6.9067,
11.8294

284.4488,

 1.2207, 3.4038,

358.8459, 444.1928

6.5065

338.6114,
422.9414, 520.0362

■ 0.1226, 1.3460,
3.0817

■ 0.0000, 0.1764,
1.1365

■ 55.8599, 79.7968,
107.0659

■ 55.8599, 79.7968,
107.0659

■ 54.5915, 79.1429,
107.0066

■ 57.8834, 80.8399,
107.1606

■ 53.9618, 78.8183,
106.9771

■ 60.7513, 82.3184,
107.2948

■ 53.8100, 78.7400,
106.9700

■ 64.5436, 84.2734,
107.4723

■ 69.3301, 86.7409,
107.6963

■ 75.1739, 89.7535,
107.9698

■ 82.1332, 93.3411,
108.2955

■ 90.2615, 97.5314,
108.6759

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.5941, 79.7968, 72.4625



55.8599, 79.7968, 107.0659



61.1012, 79.7968, 144.0628

Triad

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



55.8599, 79.7968, 107.0659



93.8109, 79.7968, 140.5137



81.3145, 79.7968, 37.2604

Complementary

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



55.8599, 79.7968, 107.0659



43.9159, 25.1757, 7.2495

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.



92.7869, 79.7968, 47.2788



55.8599, 79.7968, 107.0659



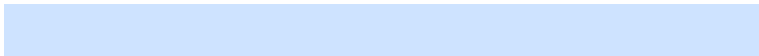
100.4972, 79.7968, 103.1048

Square

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



55.8599, 79.7968, 107.0659



82.5976, 79.7968, 166.5825



100.1038, 79.7968, 69.4144



69.4699, 79.7968, 37.7946

Rectangle

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



55.8599, 79.7968, 107.0659



67.0588, 79.7968, 162.4561



100.1038, 79.7968, 69.4144



85.3658, 79.7968, 39.3637

Sweetspot

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



55.8608, 79.7972, 107.0660



76.6661, 90.5228, 108.0396



38.7084, 72.9363, 16.7427



15.9112, 19.1186, 23.1016



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.



55.8608, 79.7972, 107.0660



54.2233, 78.9531, 106.9893



32.5002, 33.0760, 99.2791



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



61.0683, 32.0366, 97.5728



59.6484, 29.1968, 97.0995



54.5370, 46.4178, 10.7899



18.7928, 18.3004, 22.7918



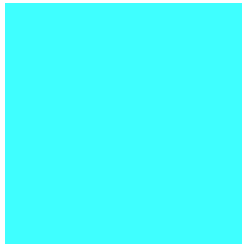
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 55.8599, 79.7968, 107.0659 looks on a white background.

Color Contrast Check

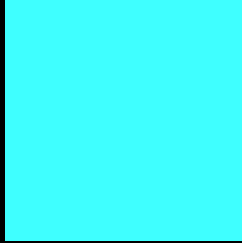
Large Text (above 18pt) WCAG AA × Fail

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 55.8599, 79.7968, 107.0659 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

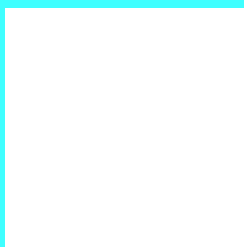
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8599, 79.7968, 107.0659

Background



This preview shows how black text looks on a background with the XYZ color 55.8599, 79.7968, 107.0659.

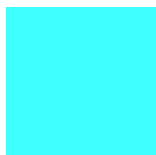


This preview shows how white text looks on a background with the XYZ color 55.8599, 79.7968,

Color Blindness Simulation

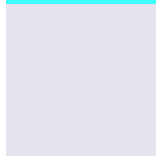
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



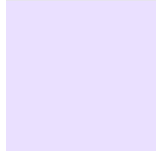
Original Color

55.8599, 79.7968, 107.0659



Protanopia

75.5348, 77.9342, 91.9506



Deuteranopia

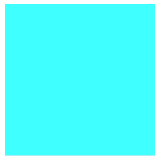
78.6373, 78.0237, 105.5232



Tritanopia

65.4104, 79.2137, 106.4500

Trichromacy



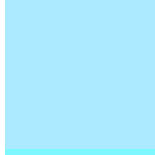
Original Color

55.8599, 79.7968, 107.0659



Protanomaly

62.9755, 75.5350, 96.8485



Deuteranomaly

64.7716, 75.4073, 105.7490



Tritanomaly

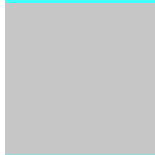
60.0632, 78.2536, 106.5465

Monochromacy



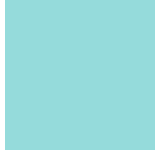
Original Color

55.8599, 79.7968, 107.0659



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.5121, 62.1671, 76.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8599, 79.7968, 107.0659 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(63, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 255)  
}
```

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(63, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8599, 79.7968, 107.0659 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(63, 255, 255) }
```


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

```
.border{ border-color:rgb(63, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8599, 79.7968, 107.0659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 255) }
```

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

```
.background{ background-color: rgb(63, 255,  
255) }
```

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