

Converting Colors

XYZ(55.9148, 79.8251,
107.0685)

Have a look what the booklet for
XYZ(55.9148, 79.8251, 107.0685)
contains.

XYZ(55.9244, 79.8300, 107.0690)	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(55.9244, 79.8300,
107.0690)**

Conversions

Conversions Part 1

Format	Color
Hex	40FFFF
RGB	64, 255, 255
RGB Percent	25%, 100%, 100%
CMY	0.7490, 0.0000, 0.0000
CMYK	0.75, 0.00, 0.00, 0.00
HSL	180°, 100%, 63%
HSV	180°, 75%, 100%
XYZ	55.9244, 79.8300, 107.0690
YIQ	197.8910, -113.8360, -40.4920

Conversions

Conversions Part 2

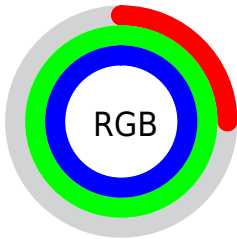
Format	Color
RYB	64, 160, 255
Decimal	4259839
CIELab	91.61, -44.85, -13.35
CIELCh	92, 46.797, 196.577
Yxy	79.8300, 0.2303, 0.3288
Android (android.graphics.Color)	4282449919 (0xFF40FFFF)
YUV	197.8910, 28.1547, -117.4224
Hunter-Lab	89.3476, -44.6318, -8.5063

Details

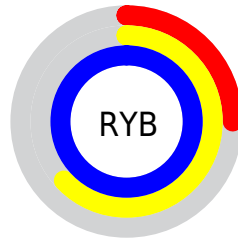
The XYZ color **55.9244, 79.8300, 107.0690** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.0001, 25.2988, 7.4168**, and the grayscale version is **53.4965, 56.2825, 61.2916**.

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 **54.6285, 79.1619, 107.0083**, and if you desaturate by 10%, it is **57.9794, 80.8894, 107.1651**.

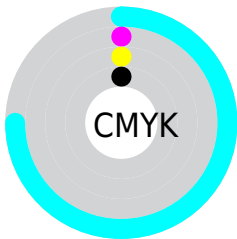
Distribution



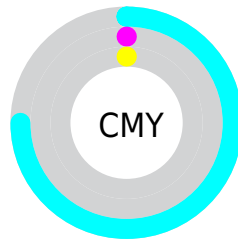
- Red (25%)
- Green (100%)
- Blue (100%)



- Red (25%)
- Yellow (63%)
- 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 55.9244, 79.8300, 107.0690 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 55.9244, 79.8300, 107.0690 by changing the saturation by 10% instead.

 55.9244, 79.8300,
107.0690


 55.9244, 79.8300,
107.0690


399.4862,
494.3597, 604.0657


 40.3791, 59.5785,
81.5675


 98.0345, 133.1267,
172.9745


 28.0198, 43.0790,
60.4753


 125.3300,
166.9406, 214.2155

 18.4811, 29.9471,
43.3741


 157.2729,
206.0442, 261.5401

 11.3977, 19.7984,
29.8452

 194.2285,
250.8217, 315.3668

 6.4043, 12.2486,
19.4700

236.5623,
301.6577, 376.1142

 3.1354, 6.9132,
11.8302

284.6397,

 1.2258, 3.4079,

358.9364, 444.2008

6.5070

338.8258,
423.0423, 520.0451

■ 0.1266, 1.3482,
3.0820

■ 0.0000, 0.1781,
1.1367

■ 55.9244, 79.8300,
107.0690

■ 55.9244, 79.8300,
107.0690

■ 54.6285, 79.1619,
107.0083

■ 57.9794, 80.8894,
107.1651

■ 53.9762, 78.8257,
106.9778

■ 60.8822, 82.3859,
107.3010

■ 53.8100, 78.7400,
106.9700

■ 64.7122, 84.3603,
107.4802

■ 69.5391, 86.8486,
107.7061

■ 75.4256, 89.8833,
107.9816

■ 82.4298, 93.4940,
108.3094

■ 90.6050, 97.7085,
108.6920

■ 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.



55.6579, 79.8300, 72.5292



55.9244, 79.8300, 107.0690



61.1591, 79.8300, 143.9776

Triad

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



55.9244, 79.8300, 107.0690



93.8083, 79.8300, 140.4242



81.3333, 79.8300, 37.3575

Complementary

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



55.9244, 79.8300, 107.0690



44.0001, 25.2988, 7.4168

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.



92.7826, 79.8300, 47.3676



55.9244, 79.8300, 107.0690



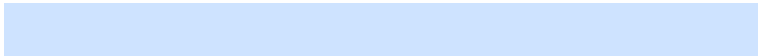
100.4786, 79.8300, 103.1015

Square

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



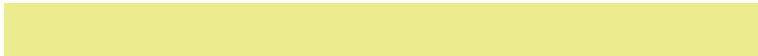
55.9244, 79.8300, 107.0690



82.6186, 79.8300, 166.4284



100.0846, 79.8300, 69.4743



69.5106, 79.8300, 37.8936

Rectangle

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



55.9244, 79.8300, 107.0690



67.1078, 79.8300, 162.3202



100.0846, 79.8300, 69.4743



85.3765, 79.8300, 39.4593

Sweetspot

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



55.9253, 79.8305, 107.0690



77.3367, 90.8684, 108.0710



38.8012, 72.9808, 16.8944



16.1696, 19.2518, 23.1137



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.



55.9253, 79.8305, 107.0690



54.2233, 78.9531, 106.9893



32.6509, 33.2817, 99.3109



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.



61.1242, 32.1485, 97.5914



59.6484, 29.1968, 97.0995



54.6514, 46.6015, 10.9673



18.7928, 18.3004, 22.7918



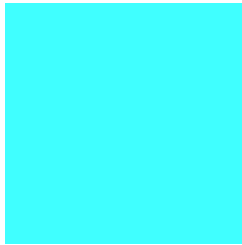
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 55.9244, 79.8300, 107.0690 looks on a white background.

Color Contrast Check

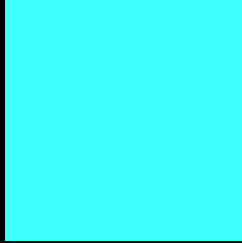
Large Text (above 18pt) WCAG AA × Fail

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 55.9244, 79.8300, 107.0690 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

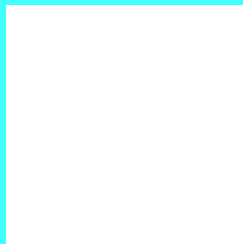
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9244, 79.8300, 107.0690

Background



This preview shows how black text looks on a background with the XYZ color 55.9244, 79.8300, 107.0690.

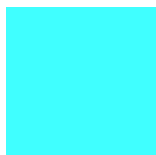


This preview shows how white text looks on a background with the XYZ color 55.9244, 79.8300,

Color Blindness Simulation

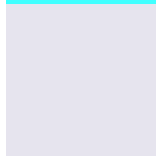
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



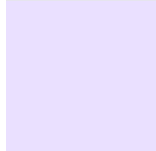
Original Color

55.9244, 79.8300, 107.0690



Protanopia

75.8091, 78.4828, 92.0421



Deuteranopia

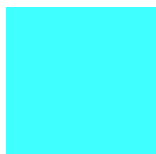
78.6373, 78.0237, 105.5232



Tritanopia

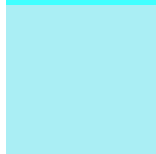
65.4104, 79.2137, 106.4500

Trichromacy



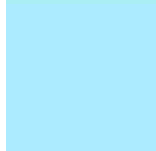
Original Color

55.9244, 79.8300, 107.0690



Protanomaly

63.4812, 76.2268, 96.9554



Deuteranomaly

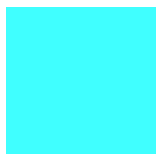
64.7716, 75.4073, 105.7490



Tritanomaly

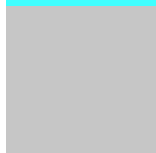
60.2129, 78.3307, 106.5535

Monochromacy



Original Color

55.9244, 79.8300, 107.0690



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 55.9244, 79.8300, 107.0690 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(64, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9244, 79.8300, 107.0690 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(64, 255, 255) }
```


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

```
.border{ border-color:rgb(64, 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(64, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9244, 79.8300, 107.0690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 255) }
```

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

```
.background{ background-color: rgb(64, 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