

Converting Colors

XYZ(71.1155, 100.0000,
102.0666)

Have a look what the booklet for
XYZ(71.1155, 100.0000, 102.0666)
contains.

XYZ(62.8889, 83.6015, 99.2083)	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(62.8889, 83.6015,
99.2083)**

Conversions

Conversions Part 1

Format	Color
Hex	8BFFF5
RGB	139, 255, 245
RGB Percent	55%, 100%, 96%
CMY	0.4549, 0.0000, 0.0392
CMYK	0.45, 0.00, 0.04, 0.00
HSL	175°, 100%, 77%
HSV	175°, 45%, 100%
XYZ	62.8889, 83.6015, 99.2083
YIQ	219.1760, -65.9260, -27.7020

Conversions

Conversions Part 2

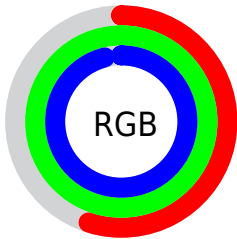
Format	Color
RYB	139, 200, 255
Decimal	9175029
CIELab	93.28, -35.33, -5.48
CIELCh	93, 35.751, 188.822
Yxy	83.6015, 0.2560, 0.3403
Android (android.graphics.Color)	4287365109 (0xFF8BFF5)
YUV	219.1760, 12.7312, -70.3144
Hunter-Lab	91.4339, -37.2356, -0.3276

Details

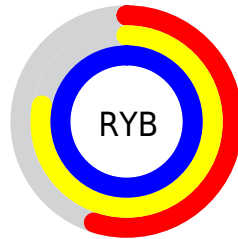
The XYZ color **62.8889, 83.6015, 99.2083** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.8984, 41.8967, 33.5758**, and the grayscale version is **67.4016, 70.9118, 77.2229**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **32.5213, 45.6820, 55.2476** is the 20% darker color. If you saturate the color by 10%, you get **58.7832, 81.5235, 97.2762**, and if you desaturate by 10%, it is **67.9936, 86.1941, 101.2109**.

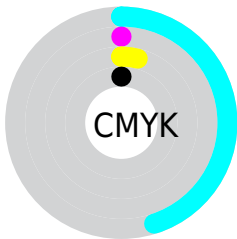
Distribution



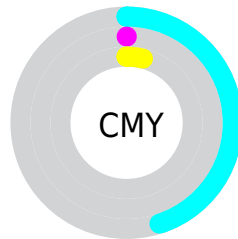
- Red (55%)
- Green (100%)
- Blue (96%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8889, 83.6015, 99.2083 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 62.8889, 83.6015, 99.2083 by changing the saturation by 10% instead.

 62.8889, 83.6015,
99.2083


 62.8889, 83.6015,
99.2083


424.8322,
506.9890, 578.8764

 46.0096, 62.6865,
75.0263


 108.0919,
138.4176, 162.1112

 32.4581, 45.5876,
55.1326


 137.1464,
173.0875, 201.6691

 21.8689, 31.9205,
39.1086

170.9900,
213.1111, 247.1895

 13.8766, 21.3008,
26.5357

209.9881,
258.8728, 299.0908

 8.1160, 13.3441,
16.9955

254.5060,
310.7571, 357.7916

 4.2217, 7.6659,
10.0694

304.9091,

 1.8283, 3.8819,

369.1483, 423.7105

5.3388

361.5627,
434.4308, 497.2659

■ 0.5346, 1.6077,
2.3852

■ 0.0000, 0.3628,
0.7784

■ 62.8889, 83.6015,
99.2083

■ 62.8889, 83.6015,
99.2083

■ 58.7832, 81.5235,
97.2762

■ 67.9936, 86.1941,
101.2109

■ 55.6033, 79.9223,
95.4067

■ 74.1574, 89.3322,
103.2825

■ 53.2710, 78.7576,
93.5975

■ 81.4395, 93.0463,
105.4273

■ 51.6940, 77.9817,
91.8443

■ 89.8937, 97.3642,
107.6481

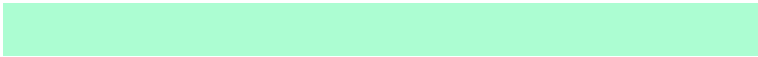
■ 50.7578, 77.5358, 95.0500, 100.0000,
90.1416 108.9000

■ 50.4709, 77.4043,
89.3864

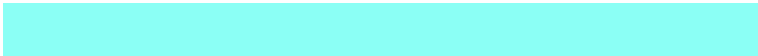
Harmonies

Analogous

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



63.7553, 83.6015, 73.5616



62.8889, 83.6015, 99.2083



66.1814, 83.6015, 127.5300

Triad

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



62.8889, 83.6015, 99.2083



91.3517, 83.6015, 137.6615



86.1781, 83.6015, 50.7546

Complementary

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



62.8889, 83.6015, 99.2083



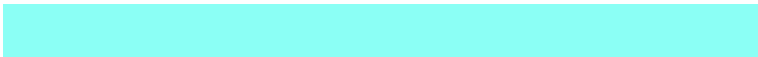
55.8984, 41.8967, 33.5758

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.



94.4072, 83.6015, 62.2541



62.8889, 83.6015, 99.2083



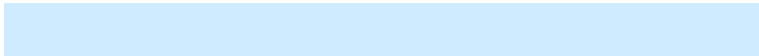
97.5543, 83.6015, 111.0606

Square

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



62.8889, 83.6015, 99.2083



82.2680, 83.6015, 152.4341



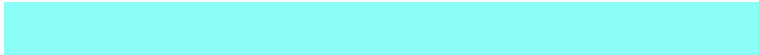
98.7145, 83.6015, 83.3099



76.7180, 83.6015, 48.8240

Rectangle

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



62.8889, 83.6015, 99.2083



70.4570, 83.6015, 142.9480



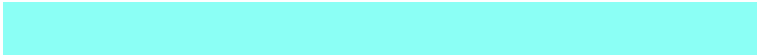
98.7145, 83.6015, 83.3099



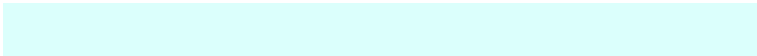
89.2005, 83.6015, 53.5021

Sweetspot

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



62.8900, 83.6021, 99.2098



82.6222, 93.6500, 105.7530



53.1098, 79.9257, 37.0560



17.3194, 19.8585, 22.5346



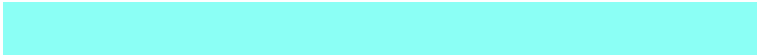
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8900, 83.6021, 99.2098



58.9616, 81.6136, 97.3691



51.4012, 58.1152, 103.1160



18.4833, 20.4529, 22.8482



26.4002, 40.4567, 46.8541



2.5896, 3.9467, 4.6624

Inverse Universe

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



55.8984, 41.8967, 33.5758



51.1625, 34.9926, 24.0813



63.3339, 57.9910, 32.2833



18.0729, 18.0125, 19.0012



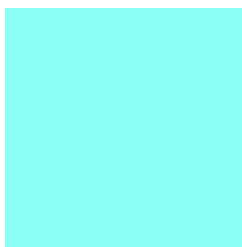
21.6460, 11.1477, 1.5203



2.1282, 1.0937, 0.2567

Previews

White Background



This preview shows how the XYZ color 62.8889, 83.6015, 99.2083 looks on a white background.

Color Contrast Check

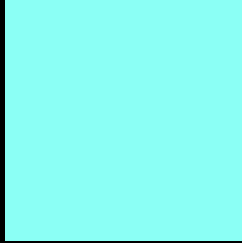
Large Text (above 18pt) WCAG AA × Fail

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 62.8889, 83.6015, 99.2083 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 62.8889, 83.6015, 99.2083

Background



This preview shows how black text looks on a background with the XYZ color 62.8889, 83.6015, 99.2083.

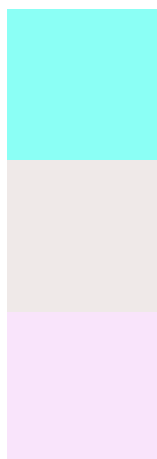


This preview shows how white text looks on a background with the XYZ color 62.8889, 83.6015,

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

62.8889, 83.6015, 99.2083

Protanopia

79.3010, 82.4547, 88.0797

Deuteranopia

84.2229, 82.5916, 102.7695



Tritanopia

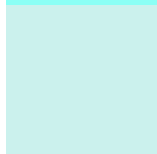
72.0929, 82.6586, 106.7628

Trichromacy



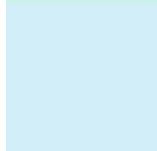
Original Color

62.8889, 83.6015, 99.2083



Protanomaly

71.3700, 81.7215, 92.1330



Deuteranomaly

73.9679, 81.5439, 101.4636



Tritanomaly

67.9069, 82.3708, 103.5869

Monochromacy



Original Color

62.8889, 83.6015, 99.2083



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.0954, 74.2618, 84.3546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8889, 83.6015, 99.2083 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(139, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 245)  
}
```

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(139, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 62.8889, 83.6015, 99.2083 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(139, 255, 245) }
```


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

```
.border{ border-color:rgb(139, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(139, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8889, 83.6015, 99.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 245) }
```

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

```
.background{ background-color: rgb(139,  
255, 245) }
```

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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