

Converting Colors

XYZ(62.8173, 83.8605, 85.8387)

Have a look what the booklet for
XYZ(62.8173, 83.8605, 85.8387)
contains.

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Color

**XYZ(62.7620, 83.8384,
85.5476)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFE3
RGB	153, 255, 227
RGB Percent	60%, 100%, 89%
CMY	0.4000, 0.0000, 0.1098
CMYK	0.40, 0.00, 0.11, 0.00
HSL	164°, 100%, 80%
HSV	164°, 40%, 100%
XYZ	62.7620, 83.8384, 85.5476
YIQ	221.3100, -51.8040, -30.3320

Conversions

Conversions Part 2

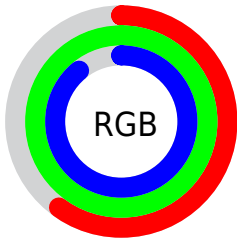
Format	Color
R_{YB}	153, 212, 255
Decimal	10092515
CIE _{Lab}	93.38, -36.07, 4.04
CIE _{LCh}	93, 36.291, 173.613
Y _{xy}	83.8384, 0.2704, 0.3611
Android (android.graphics.Color)	4288282595 (0xFF99FFE3)
YUV	221.3100, 2.8052, -59.9079
Hunter-Lab	91.5633, -37.8831, 8.6997

Details

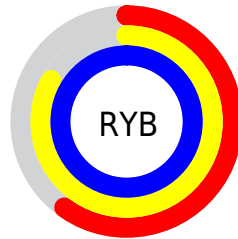
The XYZ color **62.7620, 83.8384, 85.5476** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.9724, 47.3797, 49.6483**, and the grayscale version is **68.9520, 72.5429, 78.9992**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **32.4643, 45.8535, 46.1693** is the 20% darker color. If you saturate the color by 10%, you get **57.5061, 81.2382, 80.3614**, and if you desaturate by 10%, it is **69.0873, 86.9852, 90.9917**.

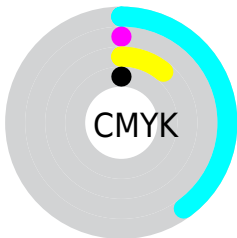
Distribution



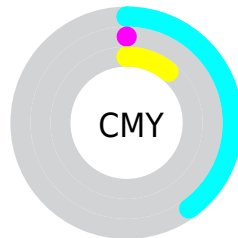
- Red (60%)
- Green (100%)
- Blue (89%)



- Red (60%)
- Yellow (83%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7620, 83.8384, 85.5476 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 62.7620, 83.8384, 85.5476 by changing the saturation by 10% instead.


 62.7620, 83.8384,
85.5476


 62.7620, 83.8384,
85.5476


424.3786,
507.7765, 533.6301

 45.9066, 62.8820,
63.7412


 107.9098,
138.7491, 143.0190

 32.3765, 45.7458,
45.9962


 136.9330,
173.4722, 179.5210

 21.8061, 32.0453,
31.8942


170.7428,
213.5530, 221.7586

 13.8303, 21.3961,
21.0166

209.7045,
259.3759, 270.1504

 8.0837, 13.4138,
12.9447

254.1836,
311.3253, 325.1149

 4.2008, 7.7141,
7.2602

304.5455,

 1.8163, 3.9126,

369.7856, 387.0707

3.5445

361.1553,
435.1412, 456.4362

■ 0.5275, 1.6248,
1.3789

■ 0.0000, 0.3742,
0.1252

■ 62.7620, 83.8384,
85.5476

■ 62.7620, 83.8384,
85.5476

■ 57.5061, 81.2382,
80.3614

■ 69.0873, 86.9852,
90.9917

■ 53.2504, 79.1492,
75.4232

■ 76.5401, 90.7088,
96.6947

■ 49.9215, 77.5336,
70.7286

■ 85.1773, 95.0383,
102.6628

■ 47.4346, 76.3476,
66.2712

95.0500, 100.0000,
108.9000

■ 45.6882, 75.5390,
62.0436

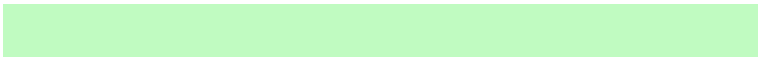
■ 44.5174, 75.0230,
58.0355

■ 44.5172, 75.0229,
58.0350

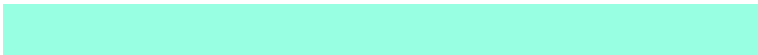
Harmonies

Analogous

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



65.7713, 83.8384, 63.4553



62.7620, 83.8384, 85.5476



63.9864, 83.8384, 114.0638

Triad

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



62.7620, 83.8384, 85.5476



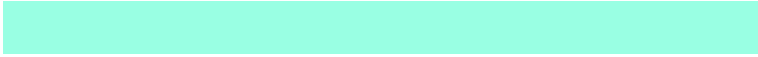
87.2862, 83.8384, 148.5882



91.1084, 83.8384, 55.0938

Complementary

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



62.7620, 83.8384, 85.5476



60.9724, 47.3797, 49.6483

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.



97.7637, 83.8384, 71.7619



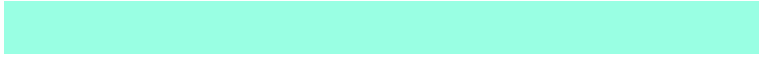
62.7620, 83.8384, 85.5476



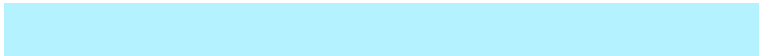
95.4363, 83.8384, 126.2545

Square

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



62.7620, 83.8384, 85.5476



77.6563, 83.8384, 154.3131



99.4076, 83.8384, 97.2750



81.7506, 83.8384, 48.2902

Rectangle

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



62.7620, 83.8384, 85.5476



67.0917, 83.8384, 132.6760



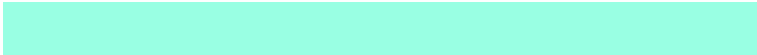
99.4076, 83.8384, 97.2750



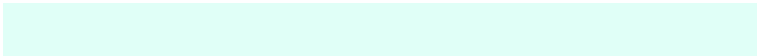
93.7651, 83.8384, 59.5460

Sweetspot

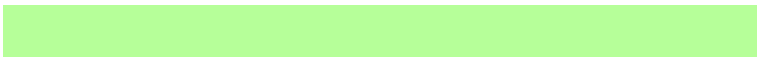
The Sweet Spot groups the original color and five complimentary colors.



62.7629, 83.8388, 85.5490



83.3515, 94.1220, 101.4470



60.7784, 83.7532, 43.1010



17.5912, 20.0209, 21.5452



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

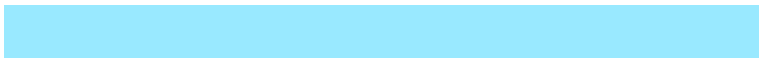
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7629, 83.8388, 85.5490



58.4745, 81.7159, 81.3781



60.2983, 72.2142, 105.3684



18.3296, 20.3914, 22.0387



23.3275, 39.2276, 30.6734



2.3174, 3.8379, 3.2294

Inverse Universe

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



60.9724, 47.3797, 49.6483



56.4740, 40.6862, 41.0487



62.3400, 54.2599, 37.3259



18.2142, 18.0690, 19.7452



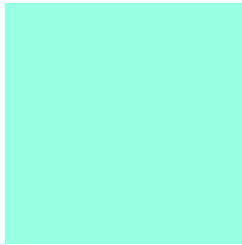
22.1799, 11.3613, 4.3319



2.2033, 1.1237, 0.6518

Previews

White Background



This preview shows how the XYZ color 62.7620, 83.8384, 85.5476 looks on a white background.

Color Contrast Check

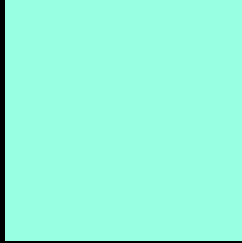
Large Text (above 18pt) WCAG AA × Fail

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 62.7620, 83.8384, 85.5476 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

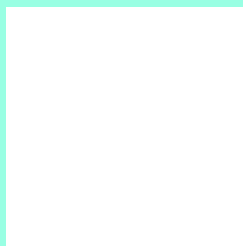
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.7620, 83.8384, 85.5476

Background



This preview shows how black text looks on a background with the XYZ color 62.7620, 83.8384, 85.5476.



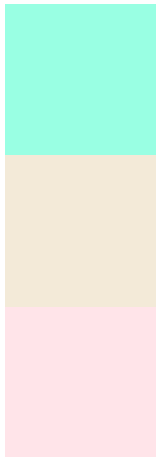
This preview shows how white text looks on a background with the XYZ color 62.7620, 83.8384,

85.5476.

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

62.7620, 83.8384, 85.5476

Protanopia

78.7796, 82.8582, 76.8068

Deuteranopia

83.6914, 82.6300, 88.6290



Tritanopia

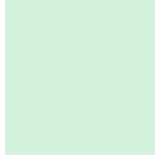
73.3893, 83.3270, 106.8234

Trichromacy



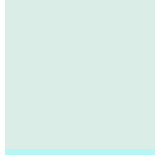
Original Color

62.7620, 83.8384, 85.5476



Protanomaly

71.2487, 82.3732, 79.8546



Deuteranomaly

73.9118, 81.8240, 87.4994



Tritanomaly

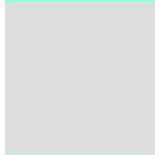
69.0336, 83.0592, 98.7798

Monochromacy



Original Color

62.7620, 83.8384, 85.5476



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2231, 75.3413, 80.9167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7620, 83.8384, 85.5476 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(153, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 227)  
}
```

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(153, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 62.7620, 83.8384, 85.5476 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(153, 255, 227) }
```


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

```
.border{ border-color:rgb(153, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7620, 83.8384, 85.5476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 227) }
```

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

```
.background{ background-color: rgb(153,  
255, 227) }
```

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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