

Converting Colors

XYZ(90.1213, 100.0000,
233.3383)

Have a look what the booklet for
XYZ(90.1213, 100.0000, 233.3383)
contains.

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Color

**XYZ(62.8633, 83.4071,
107.3937)**

Conversions

Conversions Part 1

Format	Color
Hex	81FFFF
RGB	129, 255, 255
RGB Percent	51%, 100%, 100%
CMY	0.4941, 0.0000, 0.0000
CMYK	0.49, 0.00, 0.00, 0.00
HSL	180°, 100%, 75%
HSV	180°, 49%, 100%
XYZ	62.8633, 83.4071, 107.3937
YIQ	217.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

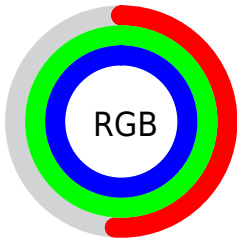
Format	Color
RYB	129, 192, 255
Decimal	8519679
CIELab	93.19, -35.02, -10.82
CIELCh	93, 36.655, 197.170
Yxy	83.4071, 0.2478, 0.3288
Android (android.graphics.Color)	4286709759 (0xFF81FFFF)
YUV	217.3260, 18.5733, -77.4619
Hunter-Lab	91.3275, -36.9565, -5.7910

Details

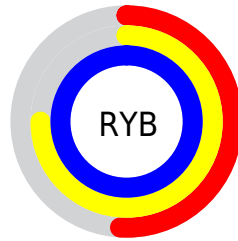
The XYZ color **62.8633, 83.4071, 107.3937** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **53.0539, 38.5473, 25.4152**, and the grayscale version is **66.0909, 69.5328, 75.7212**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **32.4370, 45.5221, 60.5031** is the 20% darker color. If you saturate the color by 10%, you get **59.4618, 81.6536, 107.2345**, and if you desaturate by 10%, it is **67.2330, 85.6598, 107.5982**.

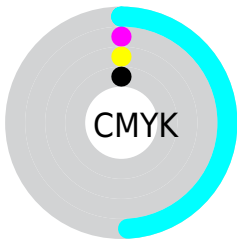
Distribution



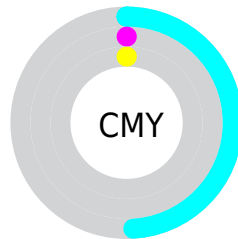
- Red (51%)
- Green (100%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8633, 83.4071, 107.3937 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 62.8633, 83.4071, 107.3937 by changing the saturation by 10% instead.


 62.8633, 83.4071,
107.3937


 62.8633, 83.4071,
107.3937


424.7408,
506.3423, 605.0943


 45.9889, 62.5260,
81.8383

 108.0552,
138.1455, 173.4215

 32.4416, 45.4579,
60.6972


 137.1034,
172.7716, 214.7310

 21.8562, 31.8182,
43.5519


 170.9401,
212.7482, 262.1289

 13.8673, 21.2227,
29.9838

209.9309,
258.4597, 316.0338

 8.1095, 13.2869,
19.5743

254.4410,
310.2905, 376.8643

 4.2175, 7.6264,
11.9050

304.8357,

 1.8259, 3.8568,

368.6249, 445.0388

6.5573

361.4806,
433.8474, 520.9760

■ 0.5332, 1.5938,
3.1126

■ 0.0000, 0.3534,
1.1524

■ 62.8633, 83.4071,
107.3937

■ 62.8633, 83.4071,
107.3937

■ 59.4618, 81.6536,
107.2345

■ 67.2330, 85.6598,
107.5982

■ 56.9524, 80.3600,
107.1171

■ 72.6338, 88.4440,
107.8509

■ 55.2524, 79.4836,
107.0375

■ 79.1267, 91.7912,
108.1548

■ 54.2622, 78.9731,
106.9912

■ 86.7670, 95.7300,
108.5124

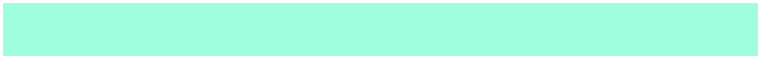
■ 53.8289, 78.7497, 95.0500, 100.0000,
106.9709 108.9000

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



62.5527, 83.4071, 79.5390



62.8633, 83.4071, 107.3937



67.3390, 83.4071, 135.5389

Triad

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



62.8633, 83.4071, 107.3937



93.6505, 83.4071, 131.8621



83.4604, 83.4071, 48.2916

Complementary

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



62.8633, 83.4071, 107.3937



53.0539, 38.5473, 25.4152

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.



92.5462, 83.4071, 57.2035



62.8633, 83.4071, 107.3937



98.7420, 83.4071, 103.1118

Square

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



62.8633, 83.4071, 107.3937



84.8707, 83.4071, 151.5113



98.3222, 83.4071, 76.0389



73.9326, 83.4071, 48.9774

Rectangle

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



62.8633, 83.4071, 107.3937



72.3044, 83.4071, 149.0056



98.3222, 83.4071, 76.0389



86.6818, 83.4071, 50.1738

Sweetspot

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



62.8642, 83.4076, 107.3937



82.3510, 93.4534, 108.3057



48.7771, 77.7728, 33.2119



17.2905, 19.8297, 23.1662



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

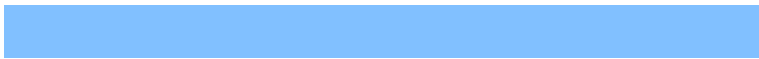
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8642, 83.4076, 107.3937



59.5830, 81.7161, 107.2402



45.9545, 49.5883, 101.7572



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.



67.1411, 44.1822, 99.5970



64.2959, 38.4917, 98.6486



64.0532, 60.5458, 29.0816



18.7928, 18.3004, 22.7918



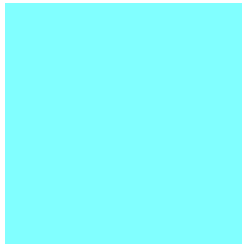
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 62.8633, 83.4071, 107.3937 looks on a white background.

Color Contrast Check

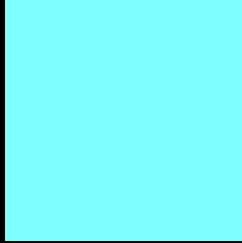
Large Text (above 18pt) WCAG AA × Fail

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 62.8633, 83.4071, 107.3937 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 62.8633, 83.4071, 107.3937

Background



This preview shows how black text looks on a background with the XYZ color 62.8633, 83.4071, 107.3937.

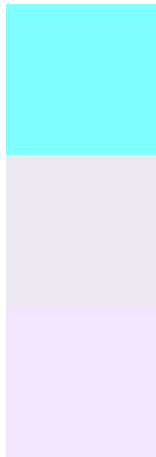


This preview shows how white text looks on a background with the XYZ color 62.8633, 83.4071,

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

62.8633, 83.4071, 107.3937

Protanopia

79.6082, 82.4616, 94.9400

Deuteranopia

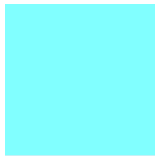
82.6873, 82.1359, 106.1035



Tritanopia

71.6359, 82.8685, 106.8274

Trichromacy



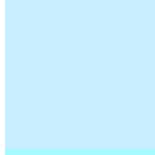
Original Color

62.8633, 83.4071, 107.3937



Protanomaly

71.1158, 81.4347, 99.1591



Deuteranomaly

72.7119, 80.7866, 106.3688



Tritanomaly

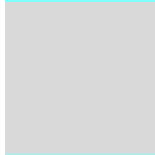
67.7659, 82.6796, 106.9949

Monochromacy



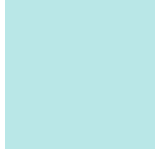
Original Color

62.8633, 83.4071, 107.3937



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.0073, 73.2356, 86.4164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8633, 83.4071, 107.3937 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(129, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.8633, 83.4071, 107.3937 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(129, 255, 255) }
```


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

```
.border{ border-color:rgb(129, 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(129, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8633, 83.4071, 107.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 255) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

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