

# Converting Colors

XYZ(91.6571, 140.6874,  
115.3976)

Have a look what the booklet for  
XYZ(91.6571, 140.6874, 115.3976)  
contains.

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# Color

**XYZ(63.0053, 83.5174,  
105.7282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84FFFD
RGB	132, 255, 253
RGB Percent	52%, 100%, 99%
CMY	0.4823, 0.0000, 0.0078
CMYK	0.48, 0.00, 0.01, 0.00
HSL	179°, 100%, 76%
HSV	179°, 48%, 100%
XYZ	63.0053, 83.5174, 105.7282
YIQ	217.9950, -72.6660, -26.6980

# Conversions

## Conversions Part 2

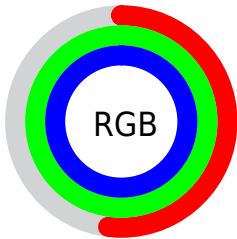
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 194, 255</a>
Decimal	<a href="#">8716285</a>
CIELab	<a href="#">93.24, -34.90, -9.70</a>
CIElCh	<a href="#">93, 36.225, 195.538</a>
Yxy	<a href="#">83.5174, 0.2498, 0.3311</a>
Android (android.graphics.Color)	<a href="#">4286906365 (0xFF84FFFD)</a>
YUV	<a href="#">217.9950, 17.2575, -75.4176</a>
Hunter-Lab	<a href="#">91.3879, -36.8659, -4.6221</a>

# Details

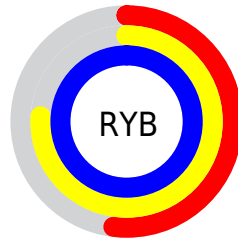
The XYZ color **63.0053, 83.5174, 105.7282** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.7953, 39.4852, 27.3416**, and the grayscale version is **66.5582, 70.0244, 76.2566**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **32.5418, 45.6026, 59.3116** is the 20% darker color. If you saturate the color by 10%, you get **59.4280, 81.6808, 105.2180**, and if you desaturate by 10%, it is **67.5594, 85.8574, 106.2877**.

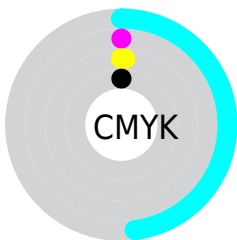
# Distribution



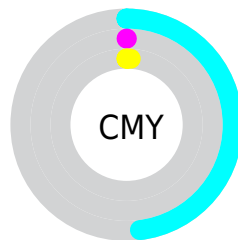
- Red (52%)
- Green (100%)
- Blue (99%)



- Red (52%)
- Yellow (76%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0053, 83.5174, 105.7282 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 63.0053, 83.5174, 105.7282 by changing the saturation by 10% instead.





 63.0053, 83.5174,  
105.7282


 63.0053, 83.5174,  
105.7282


425.2481,  
506.7093, 599.8087


 46.1042, 62.6171,  
80.4495


 108.2589,  
138.2999, 171.1273

 32.5330, 45.5315,  
59.5600


 137.3421,  
172.9508, 212.0848

 21.9264, 31.8763,  
42.6411


 171.2167,  
212.9541, 259.1056

 13.9192, 21.2670,  
29.2743

210.2481,  
258.6941, 312.6083

 8.1458, 13.3193,  
19.0411

254.8015,  
310.5552, 373.0114

 4.2410, 7.6488,  
11.5228

305.2424,

 1.8393, 3.8711,

368.9219, 440.7335

6.3011

361.9362,  
434.1784, 516.1930

■ 0.5412, 1.6017,  
2.9573

■ 0.0000, 0.3587,  
1.0729

■ 63.0053, 83.5174,  
105.7282

■ 63.0053, 83.5174,  
105.7282

■ 59.4280, 81.6808,  
105.2180

■ 67.5594, 85.8574,  
106.2877

■ 56.7519, 80.3088,  
104.7494

■ 73.1519, 88.7328,  
106.8951

■ 54.8958, 79.3596,  
104.3198

■ 79.8433, 92.1747,  
107.5547

■ 53.7625, 78.7829,  
103.9248

■ 87.6885, 96.2113,  
108.2691

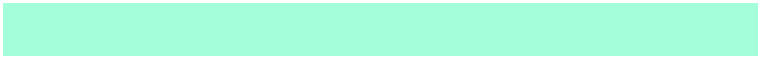
■ 53.2180, 78.5097, 95.0500, 100.0000,  
103.5581 108.9000

■ 53.1500, 78.4760,  
103.4947

# Harmonies

## Analogous

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



62.9290, 83.5174, 78.4516



63.0053, 83.5174, 105.7282



67.2271, 83.5174, 133.7607

# Triad

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



63.0053, 83.5174, 105.7282



93.1879, 83.5174, 132.8619



84.0448, 83.5174, 49.0036

# Complementary

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



63.0053, 83.5174, 105.7282



53.7953, 39.4852, 27.3416

# 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.



92.9175, 83.5174, 58.3930



63.0053, 83.5174, 105.7282



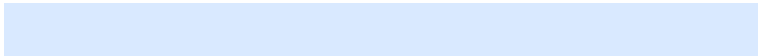
98.4757, 83.5174, 104.6798

# Square

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



63.0053, 83.5174, 105.7282



84.3903, 83.5174, 151.4351



98.3730, 83.5174, 77.5926



74.5735, 83.5174, 49.1726



# Rectangle

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



63.0053, 83.5174, 105.7282



72.0333, 83.5174, 147.5457



98.3730, 83.5174, 77.5926



87.2117, 83.5174, 51.0494

# Sweetspot

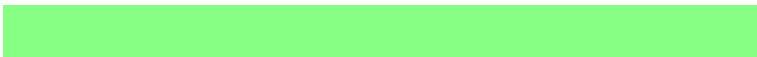
The Sweet Spot groups the original color and five complimentary colors.



63.0064, 83.5179, 105.7297



83.0205, 93.8093, 107.8503



49.7655, 78.2589, 34.3142



17.4176, 19.8978, 23.0519



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.



63.0064, 83.5179, 105.7297



59.5009, 81.7182, 105.2295



47.2056, 51.4042, 102.0417



18.5414, 20.4761, 23.1539



27.7779, 41.0077, 54.1089



2.7086, 3.9944, 5.2891



# Inverse Universe

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



53.7953, 39.4852, 27.3416



49.2956, 32.9112, 18.3647



64.1349, 60.3854, 30.1069



18.0214, 17.9919, 18.7297



21.5658, 11.1156, 1.0981

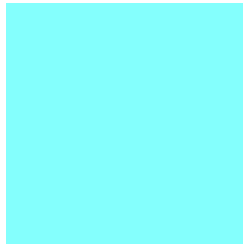


2.1038, 1.0839, 0.1281



# Previews

## White Background



This preview shows how the XYZ color 63.0053, 83.5174, 105.7282 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

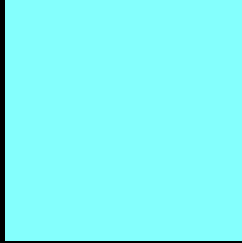
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.0053, 83.5174, 105.7282 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 63.0053, 83.5174, 105.7282

## Background



This preview shows how black text looks on a background with the XYZ color 63.0053, 83.5174, 105.7282.



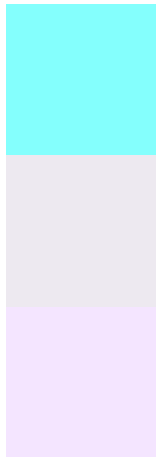
This preview shows how white text looks on a background with the XYZ color 63.0053, 83.5174,



# 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

63.0053, 83.5174, 105.7282

### Protanopia

79.7921, 82.5736, 94.1709

### Deuteranopia

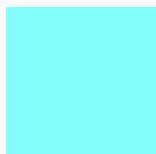
83.3775, 82.4917, 106.1358



## Tritanopia

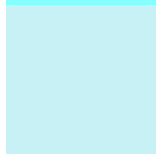
71.8865, 82.9977, 106.8391

# Trichromacy



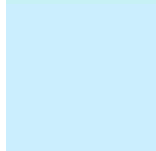
## Original Color

63.0053, 83.5174, 105.7282



## Protanomaly

71.4899, 81.6453, 98.3774



## Deuteranomaly

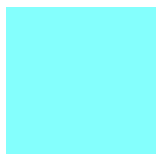
73.0925, 81.0013, 105.5484



## Tritanomaly

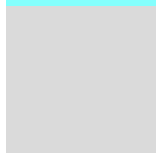
68.0344, 82.8366, 106.1692

# Monochromacy



## Original Color

63.0053, 83.5174, 105.7282



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.4932, 73.4861, 86.4391

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0053, 83.5174, 105.7282 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(132, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 253)  
}
```

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(132, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0053, 83.5174, 105.7282 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(132, 255, 253) }
```



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

```
.border{ border-color:rgb(132, 255, 253) }
```

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

Here you see how a box with a 4 pixel rgb(132, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0053, 83.5174, 105.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 253) }
```

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

```
.background{ background-color: rgb(132,  
255, 253) }
```

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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