

# Converting Colors

XYZ(63.1411, 81.2096,  
106.9549)

Have a look what the booklet for  
XYZ(63.1411, 81.2096, 106.9549)  
contains.

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# Color

**XYZ(63.2201, 81.2539,  
106.9593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFAFF
RGB	141, 250, 255
RGB Percent	55%, 98%, 100%
CMY	0.4470, 0.0196, 0.0000
CMYK	0.45, 0.02, 0.00, 0.00
HSL	183°, 100%, 78%
HSV	183°, 45%, 100%
XYZ	63.2201, 81.2539, 106.9593
YIQ	217.9790, -66.5690, -21.5530

# Conversions

## Conversions Part 2

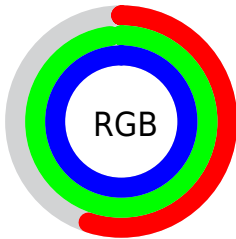
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 197, 255
Decimal	9304831
CIELab	92.24, -30.11, -12.19
CIELCh	92, 32.486, 202.033
Yxy	81.2539, 0.2514, 0.3232
Android (android.graphics.Color)	4287494911 (0xFF8DFAFF)
YUV	217.9790, 18.2514, -67.5106
Hunter-Lab	90.1409, -32.5562, -7.2536

# Details

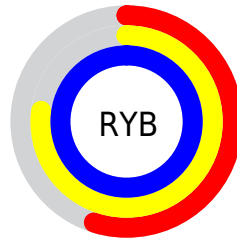
The XYZ color **63.2201, 81.2539, 106.9593** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.3271, 43.7413, 30.6754**, and the grayscale version is **66.5391, 70.0043, 76.2347**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **32.5713, 43.9226, 60.1873** is the 20% darker color. If you saturate the color by 10%, you get **59.0275, 78.5804, 106.6642**, and if you desaturate by 10%, it is **68.4172, 84.4521, 107.3027**.

# Distribution



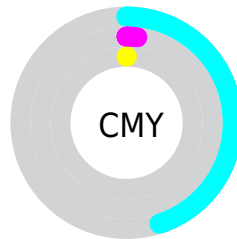
- Red (55%)
- Green (98%)
- Blue (100%)



- Red (55%)
- Yellow (77%)
- Blue (100%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2201, 81.2539, 106.9593 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 63.2201, 81.2539, 106.9593 by changing the saturation by 10% instead.





 63.2201, 81.2539,  
106.9593


 63.2201, 81.2539,  
106.9593


426.0148,  
499.1486, 603.7180

 46.2786, 60.7507,  
81.4760

 108.5670,  
135.1272, 172.8234

 32.6713, 44.0240,  
60.4004


 137.7031,  
169.2662, 214.0413

 22.0328, 30.6894,  
43.3140


171.6349,  
208.7191, 261.3411

 13.9977, 20.3625,  
29.7984

210.7275,  
253.8706, 315.1414

 8.2008, 12.6588,  
19.4348

255.3465,  
305.1048, 375.8607

 4.2766, 7.1940,  
11.8049

305.8572,

 1.8598, 3.5837,

362.8063, 443.9175

6.4901

362.6248,  
427.3594, 519.7305

■ 0.5533, 1.4435,  
3.0717

■ 0.0000, 0.2485,  
1.1314

■ 63.2201, 81.2539,  
106.9593

■ 63.2201, 81.2539,  
106.9593

■ 59.0275, 78.5804,  
106.6642

■ 68.4172, 84.4521,  
107.3027

■ 55.7634, 76.3868,  
106.4128

■ 74.6751, 88.1983,  
107.6959

■ 53.3516, 74.6356,  
106.2019

■ 82.0537, 92.5253,  
108.1422

■ 51.7011, 73.2798,  
106.0272

■ 90.6064, 97.4606,  
108.6441

■ 50.6996, 72.2617,  
105.8835

95.0500, 100.0000,  
108.9000

■ 50.3479, 71.8158,  
105.8160

# Harmonies

## Analogous

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



62.3297, 81.2539, 82.2212



63.2201, 81.2539, 106.9593



67.7240, 81.2539, 130.1209

# Triad

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



63.2201, 81.2539, 106.9593



90.6579, 81.2539, 120.0471



79.4871, 81.2539, 50.1517

# Complementary

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



63.2201, 81.2539, 106.9593



56.3271, 43.7413, 30.6754

# 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.



87.5851, 81.2539, 56.8188



63.2201, 81.2539, 106.9593



94.3324, 81.2539, 95.0312

# Square

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



63.2201, 81.2539, 106.9593



83.4404, 81.2539, 138.5798



93.1690, 81.2539, 72.2475



71.3345, 81.2539, 52.1841



# Rectangle

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



63.2201, 81.2539, 106.9593



72.3593, 81.2539, 140.0971



93.1690, 81.2539, 72.2475



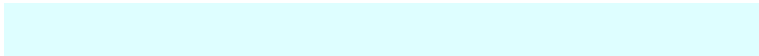
82.3133, 81.2539, 51.3997

# Sweetspot

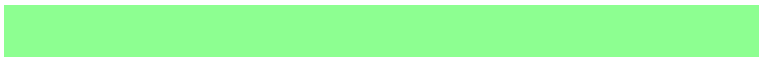
The Sweet Spot groups the original color and five complimentary colors.



63.2223, 81.2569, 106.9597



83.4266, 93.3225, 108.2237



51.8412, 79.2215, 39.2682



17.4775, 19.7545, 23.1418



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.



63.2223, 81.2569, 106.9597



59.2914, 78.7526, 106.6835



48.3723, 51.5570, 102.0098



18.4826, 20.3369, 23.2012



26.3379, 37.5853, 55.3011



2.5847, 3.7001, 5.3912



# Inverse Universe

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



68.0216, 47.2136, 95.9739



64.7298, 40.8900, 94.0750



67.1223, 65.3316, 34.2738



18.7563, 18.2858, 22.5995



30.0823, 14.5222, 45.9455

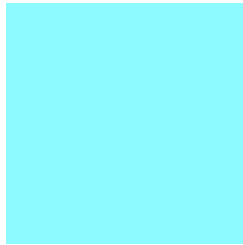


2.9393, 1.4181, 4.5275



# Previews

## White Background



This preview shows how the XYZ color 63.2201, 81.2539, 106.9593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

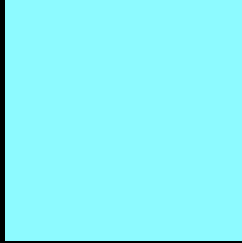
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2201, 81.2539, 106.9593 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

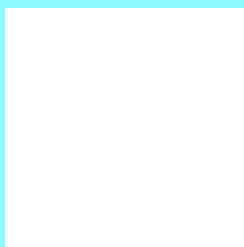
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.2201, 81.2539, 106.9593

## Background



This preview shows how black text looks on a background with the XYZ color 63.2201, 81.2539, 106.9593.



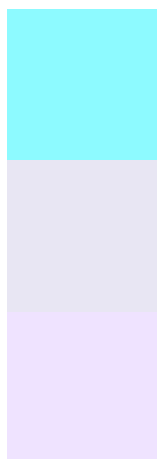
This preview shows how white text looks on a background with the XYZ color 63.2201, 81.2539,



# 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

63.2201, 81.2539, 106.9593

### Protanopia

77.7532, 80.2205, 96.1801

### Deuteranopia

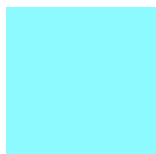
81.1157, 80.5089, 105.8723



## Tritanopia

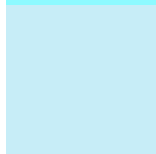
69.3306, 80.7915, 106.5480

# Trichromacy



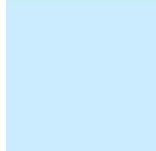
## Original Color

63.2201, 81.2539, 106.9593



## Protanomaly

70.6259, 79.4259, 99.6040



## Deuteranomaly

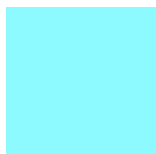
72.3869, 79.3332, 106.1054



## Tritanomaly

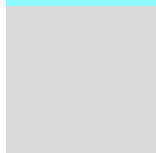
66.8509, 80.8496, 106.6899

# Monochromacy



## Original Color

63.2201, 81.2539, 106.9593



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.9558, 73.3103, 86.3808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2201, 81.2539, 106.9593 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(141, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 250, 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(141, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2201, 81.2539, 106.9593 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(141, 250, 255) }
```



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

```
.border{ border-color:rgb(141, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 250, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 250, 255); box-shadow:4px 4px 4px 4px rgb(141, 250, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2201, 81.2539, 106.9593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 250, 255) }
```

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

```
.background{ background-color: rgb(141,  
250, 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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