

# Converting Colors

XYZ(53.6155, 63.6067, 99.8118)

Have a look what the booklet for  
XYZ(53.6155, 63.6067, 99.8118)  
contains.

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# Color

**XYZ(53.6637, 63.6640,  
99.9025)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8CDCFA
RGB	140, 220, 250
RGB Percent	55%, 86%, 98%
CMY	0.4510, 0.1372, 0.0196
CMYK	0.44, 0.12, 0.00, 0.02
HSL	196°, 92%, 76%
HSV	196°, 44%, 98%
XYZ	53.6637, 63.6640, 99.9025
YIQ	199.5000, -57.3100, -7.6300

# Conversions

## Conversions Part 2

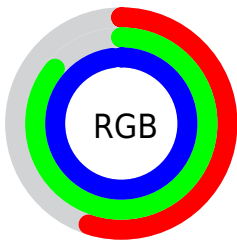
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">140, 186, 250</a>
Decimal	<a href="#">9231610</a>
CIELab	<a href="#">83.79, -16.88, -22.29</a>
CIELCh	<a href="#">84, 27.959, 232.869</a>
Yxy	<a href="#">63.6640, 0.2470, 0.2931</a>
Android (android.graphics.Color)	<a href="#">4287421690 (0xFF8CDCFA)</a>
YUV	<a href="#">199.5000, 24.8965, -52.1815</a>
Hunter-Lab	<a href="#">79.7897, -19.5793, -18.3826</a>

# Details

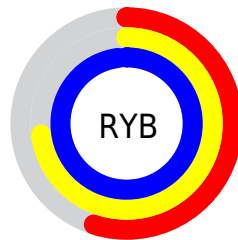
The XYZ color **53.6637, 63.6640, 99.9025** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.5339, 50.9681, 31.5654**, and the grayscale version is **54.4714, 57.3081, 62.4085**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **26.5604, 32.5544, 55.3358** is the 20% darker color. If you saturate the color by 10%, you get **48.1674, 58.2294, 99.1443**, and if you desaturate by 10%, it is **60.1939, 69.7427, 100.7328**.

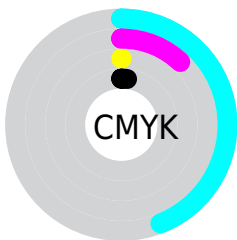
# Distribution



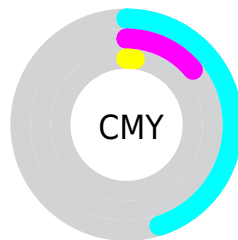
- Red (55%)
- Green (86%)
- Blue (98%)



- Red (55%)
- Yellow (73%)
- Blue (98%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)




- Cyan (45%)
- Magenta (14%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6637, 63.6640, 99.9025 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 53.6637, 63.6640, 99.9025 by changing the saturation by 10% instead.





 53.6637, 63.6640,  
99.9025


 53.6637, 63.6640,  
99.9025


391.0456,  
437.9753, 581.1240

 38.5625, 46.3786,  
75.6027

 94.7401, 110.1269,  
163.0739

 26.5987, 32.5447,  
55.6021


 121.4459,  
140.0732, 202.7826

 17.4071, 21.7779,  
39.4821


152.7507,  
175.0085, 248.4646

 10.6223, 13.6938,  
26.8243

189.0197,  
215.3174, 300.5385

 5.8789, 7.9080,  
17.2100

230.6184,  
261.3840, 359.4229

 2.8115, 4.0361,  
10.2208

277.9120,

 1.0549, 1.6938,

313.5930, 425.5362

5.4381

331.2659,  
372.3286, 499.2971

0.0000, 0.4196,  
2.4433

0.0000, 0.0000,  
0.8099

53.6637, 63.6640,  
99.9025

53.6637, 63.6640,  
99.9025

48.1674, 58.2294,  
99.1443

60.1939, 69.7427,  
100.7328

43.6324, 53.3961,  
98.4504

67.8122, 76.4906,  
101.6337

39.9860, 49.1267,  
97.8185

76.5762, 83.9399,  
102.6096

37.1416, 45.3751,  
97.2443

86.5374, 92.1184,  
103.6632

■ 34.9935, 42.0856,  
96.7226

■ 93.9669, 99.1050,  
104.6202

■ 33.9472, 40.2855,  
96.4303

■ 94.2555, 99.6822,  
104.7164

# Harmonies

## Analogous

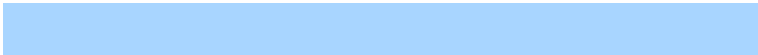
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.2766, 63.6640, 83.2989



53.6637, 63.6640, 99.9025



59.0576, 63.6640, 108.5489

# Triad

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



53.6637, 63.6640, 99.9025



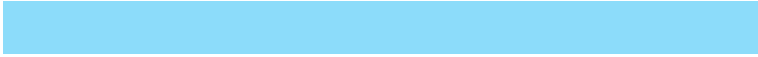
72.9906, 63.6640, 73.5998



56.0400, 63.6640, 42.6114

# Complementary

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



53.6637, 63.6640, 99.9025



58.5339, 50.9681, 31.5654

# 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.



61.9875, 63.6640, 40.9034



53.6637, 63.6640, 99.9025



72.0471, 63.6640, 56.9984

# Square

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



53.6637, 63.6640, 99.9025



70.4140, 63.6640, 91.7850



67.9167, 63.6640, 45.7170



51.5824, 63.6640, 50.8556



# Rectangle

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



53.6637, 63.6640, 99.9025



63.1769, 63.6640, 107.7588



67.9167, 63.6640, 45.7170



57.9206, 63.6640, 41.3180

# Sweetspot

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



53.6657, 63.6664, 99.9040



81.0717, 88.6129, 107.4388



52.1951, 76.8252, 49.7800



16.8906, 18.5809, 22.9462



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

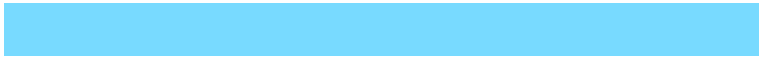


# Same Dimension

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



53.6657, 63.6664, 99.9040



50.8834, 61.4193, 103.7810



41.6479, 39.6308, 95.8981



17.3421, 18.7610, 22.0925



18.1324, 21.6205, 51.1910



1.7675, 2.1787, 4.7705



# Inverse Universe

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



61.7224, 44.2492, 73.0006



60.6120, 39.7263, 70.9010



70.9047, 75.7096, 35.6890



17.7792, 17.4390, 20.6931



25.4444, 12.5935, 24.8466

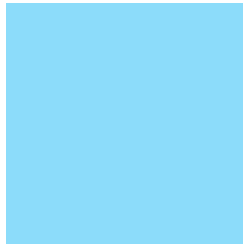


2.4011, 1.1842, 2.5355



# Previews

## White Background



This preview shows how the XYZ color 53.6637, 63.6640, 99.9025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

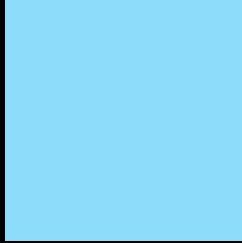
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6637, 63.6640, 99.9025 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 53.6637, 63.6640, 99.9025

## Background



This preview shows how black text looks on a background with the XYZ color 53.6637, 63.6640, 99.9025.



This preview shows how white text looks on a background with the XYZ color 53.6637, 63.6640,



# 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

53.6637, 63.6640, 99.9025

### Protanopia

62.3056, 63.0500, 92.1051

### Deuteranopia

64.4222, 62.8468, 102.5012



## Tritanopia

52.1660, 63.8522, 92.0133

# Trichromacy



**Original Color**

53.6637, 63.6640, 99.9025

**Protanomaly**

58.2138, 62.7039, 94.6228

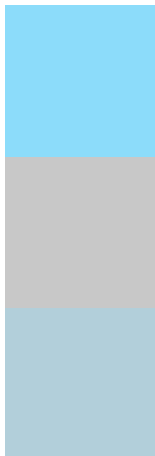
**Deuteranomaly**

59.5861, 62.5165, 101.8549

**Tritanomaly**

52.6668, 63.6478, 95.0974

# Monochromacy



**Original Color**

53.6637, 63.6640, 99.9025

**Achromatopsia**

54.8990, 57.7580, 62.8985

**Achromatomaly**

53.3278, 59.1526, 74.9366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6637, 63.6640, 99.9025 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(140, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(140, 220, 250)  
}
```

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(140, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 220, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6637, 63.6640, 99.9025 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(140, 220, 250) }
```



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

```
.border{ border-color:rgb(140, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(140, 220,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6637, 63.6640, 99.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 220, 250) }
```

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

```
.background{ background-color: rgb(140,  
220, 250) }
```

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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