

# Converting Colors

XYZ(51.6853, 64.3885, 96.8935)

Have a look what the booklet for  
XYZ(51.6853, 64.3885, 96.8935)  
contains.

<b>XYZ(51.6024, 64.2502, 96.8706)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(51.6024, 64.2502,  
96.8706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CE0F6
RGB	124, 224, 246
RGB Percent	49%, 88%, 96%
CMY	0.5137, 0.1216, 0.0353
CMYK	0.50, 0.09, 0.00, 0.04
HSL	191°, 87%, 73%
HSV	191°, 50%, 96%
XYZ	51.6024, 64.2502, 96.8706
YIQ	196.6080, -66.6620, -14.3580

# Conversions

## Conversions Part 2

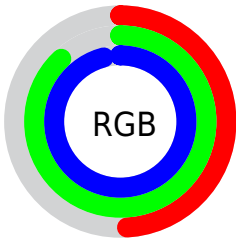
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 179, 246
Decimal	8184054
CIELab	84.10, -23.55, -19.78
CIELCh	84, 30.756, 220.019
Yxy	64.2502, 0.2426, 0.3020
Android (android.graphics.Color)	4286374134 (0xFF7CE0F6)
YUV	196.6080, 24.3503, -63.6772
Hunter-Lab	80.1562, -25.3599, -15.5439

# Details

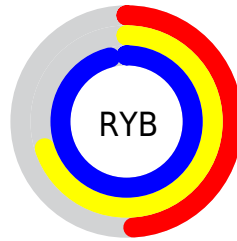
The XYZ color **51.6024, 64.2502, 96.8706** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **51.9245, 41.6074, 24.3650**, and the grayscale version is **52.7233, 55.4690, 60.4057**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **25.4067, 33.0857, 53.7623** is the 20% darker color. If you saturate the color by 10%, you get **47.3047, 60.2892, 96.3337**, and if you desaturate by 10%, it is **56.8219, 68.7353, 97.4624**.

# Distribution



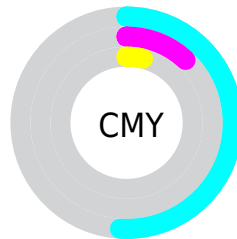
- Red (49%)
- Green (88%)
- Blue (96%)



- Red (49%)
- Yellow (70%)
- Blue (96%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (51%)
- Magenta (12%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6024, 64.2502, 96.8706 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 51.6024, 64.2502, 96.8706 by changing the saturation by 10% instead.



51.6024, 64.2502,  
96.8706

51.6024, 64.2502,  
96.8706

383.2489,  
440.0926, 571.2729

36.9112, 46.8534,  
73.0874

91.7223, 110.9712,  
158.8641

25.3121, 32.9197,  
53.5552

117.8818,  
141.0641, 197.9115

16.4397, 22.0650,  
37.8554

148.5947,  
176.1579, 242.8841

9.9287, 13.9046,  
25.5695

184.2265,  
216.6368, 294.2003

5.4136, 8.0544,  
16.2790

225.1424,  
262.8854, 352.2788

2.5291, 4.1298,  
9.5653

271.7079,

0.9100, 1.7464,

315.2879, 417.5380

5.0099

324.2883,  
374.2289, 490.3965

■ 0.0000, 0.4534,  
2.1942

■ 0.0000, 0.0000,  
0.6710

■ 51.6024, 64.2502,  
96.8706

■ 51.6024, 64.2502,  
96.8706

■ 47.3047, 60.2892,  
96.3337

■ 56.8219, 68.7353,  
97.4624

■ 43.8553, 56.8100,  
95.8440

■ 63.0176, 73.7689,  
98.1074

■ 41.1791, 53.7749,  
95.3992

■ 70.2468, 79.3820,  
98.8098

■ 39.1848, 51.1364,  
94.9950

■ 78.5604, 85.6014,  
99.5721

■ 37.7267, 48.8191,  
94.6246

■ 88.0062, 92.4520,  
100.3966

■ 37.6717, 48.7277,  
94.6098

■ 92.2529, 96.6702,  
100.9869

■ 93.6348, 99.4339,  
101.4475

# Harmonies

## Analogous

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



49.0889, 64.2502, 76.6687



51.6024, 64.2502, 96.8706



56.7131, 64.2502, 111.3246

# Triad

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



51.6024, 64.2502, 96.8706



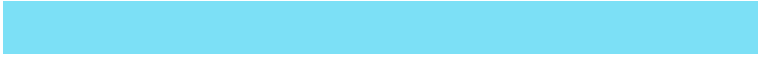
74.1823, 64.2502, 83.5321



58.8238, 64.2502, 39.2114

# Complementary

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



51.6024, 64.2502, 96.8706



51.9245, 41.6074, 24.3650

# 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.



65.6400, 64.2502, 40.3652



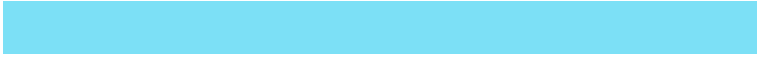
51.6024, 64.2502, 96.8706



74.8525, 64.2502, 63.6499

# Square

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



51.6024, 64.2502, 96.8706



69.8568, 64.2502, 102.6885



71.6254, 64.2502, 48.5571



53.0489, 64.2502, 45.0453



# Rectangle

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



51.6024, 64.2502, 96.8706



61.0723, 64.2502, 114.4215



71.6254, 64.2502, 48.5571



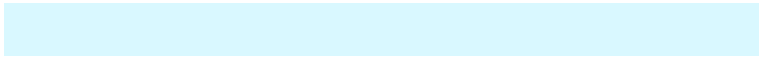
61.0635, 64.2502, 38.8249

# Sweetspot

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



51.6044, 64.2526, 96.8721



80.1900, 89.1315, 107.5854



46.3292, 72.2219, 38.0198



16.7643, 18.7773, 22.9908



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

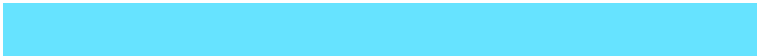


# Same Dimension

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



51.6044, 64.2526, 96.8721



51.1113, 65.2083, 104.5004



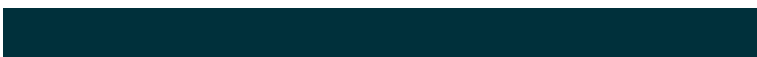
38.3437, 37.7312, 92.4519



16.7277, 18.2197, 21.1777



20.2021, 26.1981, 50.5300



1.8404, 2.4321, 4.4627



# Inverse Universe

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



58.6700, 39.3919, 75.0347



59.9134, 36.3315, 76.8261



63.5569, 64.8722, 28.2425



17.0779, 16.7140, 20.1568



26.0016, 12.7441, 31.0466

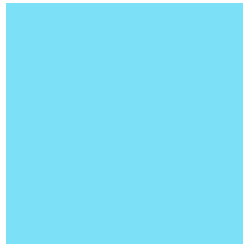


2.3180, 1.1332, 2.9009



# Previews

## White Background



This preview shows how the XYZ color 51.6024, 64.2502, 96.8706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

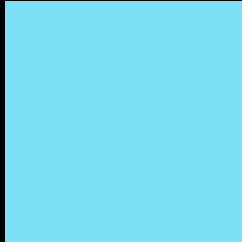
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6024, 64.2502, 96.8706 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 51.6024, 64.2502, 96.8706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6024, 64.2502, 96.8706.



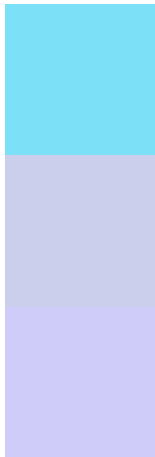
This preview shows how white text looks on a background with the XYZ color 51.6024, 64.2502,



# 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

51.6024, 64.2502, 96.8706

### Protanopia

62.2101, 63.4612, 87.5677

### Deuteranopia

64.8606, 63.4978, 99.2803



## **Tritanopia**

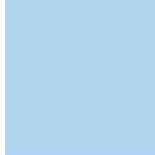
51.2713, 64.5324, 94.5477

# Trichromacy



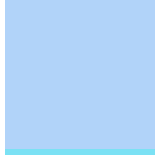
## Original Color

51.6024, 64.2502, 96.8706



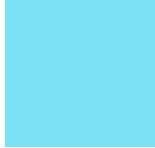
## Protanomaly

57.0534, 62.9345, 90.8019



## Deuteranomaly

58.5246, 62.7752, 98.6548



## Tritanomaly

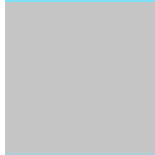
51.4227, 64.5930, 95.3454

# Monochromacy



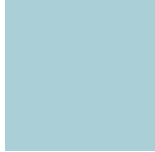
## Original Color

51.6024, 64.2502, 96.8706



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

51.1561, 58.0780, 72.8039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6024, 64.2502, 96.8706 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(124, 224, 246)` looks like.

```
.text, #text, p{  
    color:rgb(124, 224, 246)  
}
```

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(124, 224, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 224, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6024, 64.2502, 96.8706 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(124, 224, 246) }
```



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

```
.border{ border-color:rgb(124, 224, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 224, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 224, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 224, 246);  
box-shadow:4px 4px 4px 4px rgb(124, 224,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6024, 64.2502, 96.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 224, 246) }
```

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

```
.background{ background-color: rgb(124,  
224, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor