

# Converting Colors

XYZ(51.3342, 60.7739, 76.7351)

Have a look what the booklet for  
XYZ(51.3342, 60.7739, 76.7351)  
contains.

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# Color

**XYZ(51.2629, 60.6314,  
76.7113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FD6DC
RGB	159, 214, 220
RGB Percent	62%, 84%, 86%
CMY	0.3765, 0.1608, 0.1372
CMYK	0.28, 0.03, 0.00, 0.14
HSL	186°, 47%, 74%
HSV	186°, 28%, 86%
XYZ	51.2629, 60.6314, 76.7113
YIQ	198.2390, -34.7060, -9.7940

# Conversions

## Conversions Part 2

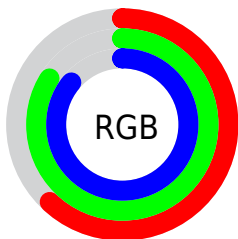
Format	Color
<a href="#">RYB</a>	<a href="#">159, 188, 220</a>
Decimal	<a href="#">10475228</a>
CIELab	<a href="#">82.18, -16.19, -8.69</a>
CIELCh	<a href="#">82, 18.376, 208.211</a>
Yxy	<a href="#">60.6314, 0.2718, 0.3215</a>
Android (android.graphics.Color)	<a href="#">4288665308</a> ( <a href="#">0xFF9FD6DC</a> )
YUV	<a href="#">198.2390, 10.7282, -34.4126</a>
Hunter-Lab	<a href="#">77.8662, -18.7510, -3.9043</a>

# Details

The XYZ color **51.2629, 60.6314, 76.7113** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2290, 44.6294, 38.8218**, and the grayscale version is **53.7752, 56.5757, 61.6109**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **25.0154, 30.5161, 40.1691** is the 20% darker color. If you saturate the color by 10%, you get **46.7392, 57.4936, 76.3451**, and if you desaturate by 10%, it is **56.5739, 64.1889, 77.1191**.

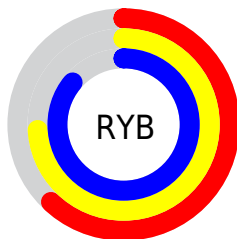
# Distribution



Red (62%)

Green (84%)

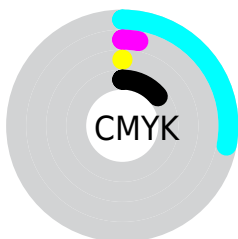
Blue (86%)



Red (62%)

Yellow (74%)

Blue (86%)

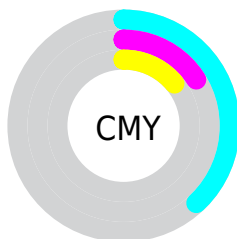


Cyan (28%)

Magenta (3%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (16%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2629, 60.6314, 76.7113 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 51.2629, 60.6314, 76.7113 by changing the saturation by 10% instead.





 51.2629, 60.6314,  
76.7113


 51.2629, 60.6314,  
76.7113


381.9552,  
426.9212, 503.1906

 36.6398, 43.9278,  
56.5058


 91.2239, 105.7451,  
130.5012

 25.1011, 30.6137,  
40.2019


 117.2926,  
134.9239, 164.9226

 16.2815, 20.3049,  
27.3810

147.9071,  
169.0298, 204.9198

 9.8157, 12.6169,  
17.6246

183.4328,  
208.4474, 250.9113

 5.3383, 7.1653,  
10.5142

224.2351,  
253.5609, 303.3155

 2.4838, 3.5657,  
5.6311

270.6794,

 0.8871, 1.4337,

304.7548, 362.5512

2.5570

323.1310,  
362.4134, 429.0367

■ 0.0000, 0.2414,  
0.8701

■ 0.0000, 0.0000,  
0.0000

■ 51.2629, 60.6314,  
76.7113

■ 51.2629, 60.6314,  
76.7113

■ 46.7392, 57.4936,  
76.3451

■ 56.5739, 64.1889,  
77.1191

■ 42.9562, 54.7468,  
76.0143

■ 62.7050, 68.1785,  
77.5660

■ 39.8707, 52.3704,  
75.7182

■ 69.6936, 72.6211,  
78.0551

■ 37.4328, 50.3384,  
75.4545

■ 77.5733, 77.5339,  
78.5881

■ 35.5858, 48.6217,  
75.2205

■ 81.0348, 80.1801,  
78.9164

■ 34.2633, 47.1859,  
75.0131

■ 81.6227, 81.3558,  
79.1124

■ 33.3730, 45.9836,  
74.8279

■ 82.2179, 82.5464,  
79.3108

■ 33.1976, 45.7256,  
74.7873

■ 82.8207, 83.7519,  
79.5117

■ 83.4309, 84.9723,  
79.7151

# Harmonies

## Analogous

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



50.4458, 60.6314, 65.3485



51.2629, 60.6314, 76.7113



53.7635, 60.6314, 86.0302

# Triad

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



51.2629, 60.6314, 76.7113



64.2478, 60.6314, 78.0031



57.8630, 60.6314, 46.7753

# Complementary

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



51.2629, 60.6314, 76.7113



49.2290, 44.6294, 38.8218

# 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.



61.6741, 60.6314, 49.3769



51.2629, 60.6314, 76.7113



65.4621, 60.6314, 66.6906

# Square

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



51.2629, 60.6314, 76.7113



61.2505, 60.6314, 86.8333



64.5000, 60.6314, 56.3664



54.1519, 60.6314, 48.8261



# Rectangle

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



51.2629, 60.6314, 76.7113



56.1082, 60.6314, 89.3794



64.5000, 60.6314, 56.3664



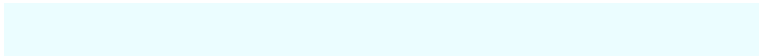
59.1757, 60.6314, 47.1283

# Sweetspot

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



51.2647, 60.6338, 76.7127



87.3025, 95.0611, 108.3550



46.6008, 61.2418, 44.5274



18.3932, 20.1581, 23.1714



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.



51.2647, 60.6338, 76.7127



67.9891, 82.2155, 106.8935



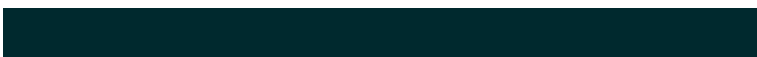
44.4447, 46.9938, 74.4394



13.3298, 14.5993, 16.7675



19.5292, 26.9278, 43.9067



1.2976, 1.8093, 2.8553



# Inverse Universe

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



54.0524, 44.8683, 69.4327



72.5209, 57.0277, 94.9598



55.1962, 56.5638, 40.8109



13.5563, 13.2516, 16.1908



23.3528, 11.3421, 32.5673

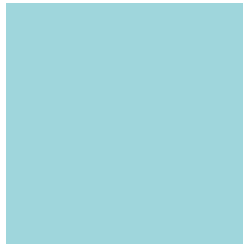


1.5292, 0.7413, 2.1959



# Previews

## White Background



This preview shows how the XYZ color 51.2629, 60.6314, 76.7113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

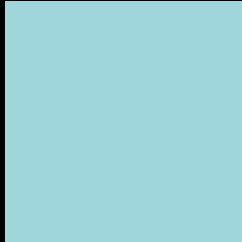
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2629, 60.6314, 76.7113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

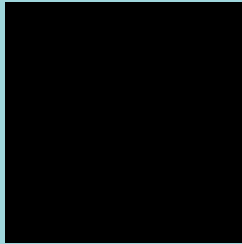
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.2629, 60.6314, 76.7113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2629, 60.6314, 76.7113.



This preview shows how white text looks on a background with the XYZ color 51.2629, 60.6314,



# 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

51.2629, 60.6314, 76.7113

### Protanopia

58.5430, 60.4951, 71.5420

### Deuteranopia

61.5377, 60.1630, 78.1813



## Tritanopia

52.7751, 60.8787, 83.8321

# Trichromacy



## Original Color

51.2629, 60.6314, 76.7113

## Protanomaly

55.4465, 60.2749, 73.6776

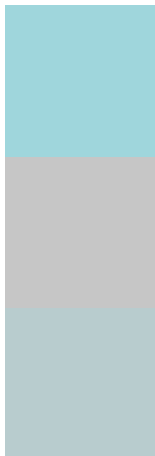
## Deuteranomaly

57.2834, 60.0618, 77.6812

## Tritanomaly

52.0189, 60.5531, 80.8977

# Monochromacy



## Original Color

51.2629, 60.6314, 76.7113

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.5006, 57.8323, 66.7882

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2629, 60.6314, 76.7113 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(159, 214, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 214, 220)  
}
```

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(159, 214, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 214, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2629, 60.6314, 76.7113 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(159, 214, 220) }
```



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

```
.border{ border-color:rgb(159, 214, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 214, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 214, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 214, 220);  
box-shadow:4px 4px 4px 4px rgb(159, 214,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2629, 60.6314, 76.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 214, 220) }
```

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

```
.background{ background-color: rgb(159,  
214, 220) }
```

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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