

# Converting Colors

XYZ(41.4380, 53.0847, 69.7834)

Have a look what the booklet for  
XYZ(41.4380, 53.0847, 69.7834)  
contains.

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# Color

**XYZ(41.4068, 53.1107,  
69.6970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75CFD3
RGB	117, 207, 211
RGB Percent	46%, 81%, 83%
CMY	0.5412, 0.1882, 0.1725
CMYK	0.45, 0.02, 0.00, 0.17
HSL	183°, 52%, 64%
HSV	183°, 45%, 83%
XYZ	41.4068, 53.1107, 69.6970
YIQ	180.5460, -54.9240, -17.8360

# Conversions

## Conversions Part 2

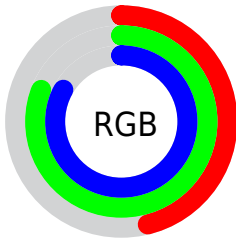
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 163, 211
Decimal	7720915
CIELab	77.94, -25.88, -10.40
CIELCh	78, 27.890, 201.891
Yxy	53.1107, 0.2522, 0.3234
Android (android.graphics.Color)	4285910995 (0xFF75CFD3)
YUV	180.5460, 15.0138, -55.7298
Hunter-Lab	72.8771, -26.1160, -5.6888

# Details

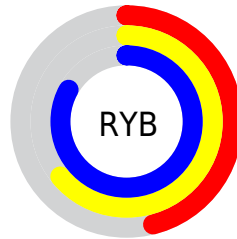
The XYZ color **41.4068, 53.1107, 69.6970** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.9131, 28.8088, 20.4460**, and the grayscale version is **43.6202, 45.8919, 49.9762**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **19.0590, 25.7903, 35.8718** is the 20% darker color. If you saturate the color by 10%, you get **38.6687, 51.3785, 69.5079**, and if you desaturate by 10%, it is **44.7883, 55.1788, 69.9189**.

# Distribution



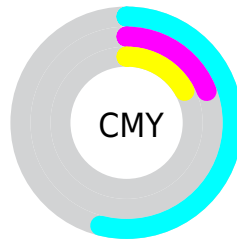
- Red (46%)
- Green (81%)
- Blue (83%)



- Red (46%)
- Yellow (64%)
- Blue (83%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (19%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4068, 53.1107, 69.6970 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 41.4068, 53.1107, 69.6970 by changing the saturation by 10% instead.



41.4068, 53.1107,  
69.6970

41.4068, 53.1107,  
69.6970

343.0516,  
398.7097, 478.2458

28.8262, 37.8911,  
50.8043

76.5719, 94.7672,  
120.4536

19.0930, 25.8982,  
35.6772

99.8870, 121.9730,  
153.1546

11.8419, 16.7475,  
23.8973

127.5110,  
153.9430, 191.2954

6.7075, 10.0546,  
15.0460

159.8092,  
191.0616, 235.2946

3.3246, 5.4352,  
8.7047

197.1471,  
233.7131, 285.5706

1.3276, 2.5048,  
4.4549

239.8898,

0.2038, 0.8790,

282.2821, 342.5422

1.8781

288.4029,  
337.1528, 406.6277

■ 0.0000, 0.0000,  
0.4787

■ 0.0000, 0.0000,  
0.0000

■ 41.4068, 53.1107,  
69.6970

■ 41.4068, 53.1107,  
69.6970

■ 38.6687, 51.3785,  
69.5079

■ 44.7883, 55.1788,  
69.9189

■ 36.5256, 49.9537,  
69.3458

■ 48.8477, 57.5971,  
70.1717

■ 34.9304, 48.8132,  
69.2098

■ 53.6230, 60.3862,  
70.4584

■ 33.8264, 47.9277,  
69.0970

■ 59.1477, 63.5635,  
70.7805

■ 33.1447, 47.2617,  
69.0044

■ 65.4534, 67.1453,  
71.1395

■ 32.8850, 46.9570,  
68.9593

■ 72.5699, 71.1469,  
71.5368

■ 76.8642, 73.6954,  
71.8024

■ 77.0909, 74.1490,  
71.8780

■ 77.3189, 74.6050,  
71.9540

# Harmonies

## Analogous

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



40.8417, 53.1107, 53.7163



41.4068, 53.1107, 69.6970



44.3124, 53.1107, 84.6625

# Triad

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



41.4068, 53.1107, 69.6970



59.1404, 53.1107, 78.2936



51.9658, 53.1107, 33.0091

# Complementary

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



41.4068, 53.1107, 69.6970



36.9131, 28.8088, 20.4460

# 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.



57.1951, 53.1107, 37.3640



41.4068, 53.1107, 69.6970



61.5269, 53.1107, 62.1454

# Square

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



41.4068, 53.1107, 69.6970



54.4700, 53.1107, 90.2125



60.7906, 53.1107, 47.3902



46.6900, 53.1107, 34.3024



# Rectangle

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



41.4068, 53.1107, 69.6970



47.3069, 53.1107, 91.1226



60.7906, 53.1107, 47.3902



53.7922, 53.1107, 33.8285

# Sweetspot

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



41.4084, 53.1128, 69.6982



83.4401, 93.3496, 108.2283



34.0298, 51.7308, 26.0045



17.4809, 19.7613, 23.1429



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.



41.4084, 53.1128, 69.6982



59.7285, 79.1095, 106.7294



31.8168, 33.9296, 66.5010



12.1135, 13.3172, 15.1757



19.8656, 28.3777, 41.6229



1.1244, 1.6140, 2.3318



# Inverse Universe

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



44.4890, 31.0778, 62.6875



65.0767, 41.5122, 94.4114



43.9191, 42.8208, 22.7813



12.2882, 12.0000, 14.7933



22.6580, 10.9360, 34.7005

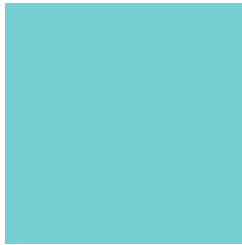


1.2738, 0.6142, 1.9765



# Previews

## White Background



This preview shows how the XYZ color 41.4068, 53.1107, 69.6970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

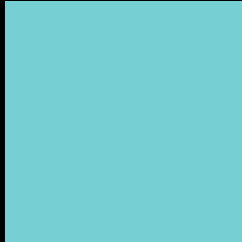
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4068, 53.1107, 69.6970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

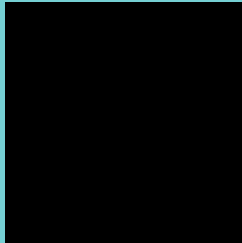
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4068, 53.1107, 69.6970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4068, 53.1107, 69.6970.



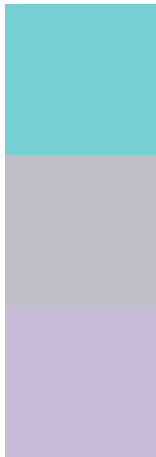
This preview shows how white text looks on a background with the XYZ color 41.4068, 53.1107,



# 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

41.4068, 53.1107, 69.6970

### Protanopia

50.9116, 52.6851, 62.7443

### Deuteranopia

53.5893, 52.5891, 71.6162



## Tritanopia

42.7619, 52.9296, 77.0699

# Trichromacy



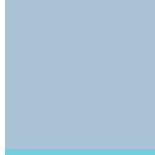
## Original Color

41.4068, 53.1107, 69.6970



## Protanomaly

46.5027, 52.3396, 65.4092



## Deuteranomaly

47.7916, 51.8736, 71.1121



## Tritanomaly

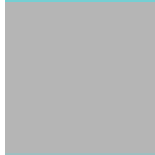
42.3339, 53.1265, 74.3529

# Monochromacy



## Original Color

41.4068, 53.1107, 69.6970



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

42.0284, 47.9018, 56.9000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4068, 53.1107, 69.6970 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(117, 207, 211)` looks like.

```
.text, #text, p{  
    color:rgb(117, 207, 211)  
}
```

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(117, 207, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 207, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4068, 53.1107, 69.6970 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(117, 207, 211) }
```



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

```
.border{ border-color:rgb(117, 207, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 207, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 207, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 207, 211);  
box-shadow:4px 4px 4px 4px rgb(117, 207,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4068, 53.1107, 69.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 207, 211) }
```

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

```
.background{ background-color: rgb(117,  
207, 211) }
```

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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