

# Converting Colors

XYZ(44.3740, 56.6810, 71.2655)

Have a look what the booklet for  
XYZ(44.3740, 56.6810, 71.2655)  
contains.

<b>XYZ(44.5569, 56.9046, 71.5861)</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(44.5569, 56.9046,  
71.5861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD5D5
RGB	127, 213, 213
RGB Percent	50%, 84%, 84%
CMY	0.5019, 0.1647, 0.1647
CMYK	0.40, 0.00, 0.00, 0.16
HSL	180°, 51%, 67%
HSV	180°, 40%, 84%
XYZ	44.5569, 56.9046, 71.5861
YIQ	187.2860, -51.2560, -18.2320

# Conversions

## Conversions Part 2

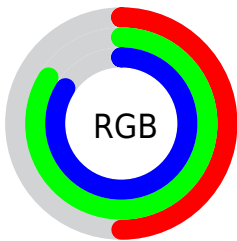
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 170, 213
Decimal	8377813
CIELab	80.13, -25.92, -8.17
CIElCh	80, 27.179, 197.501
Yxy	56.9046, 0.2575, 0.3288
Android (android.graphics.Color)	4286567893 (0xFF7FD5D5)
YUV	187.2860, 12.6770, -52.8708
Hunter-Lab	75.4351, -26.5778, -3.4602

# Details

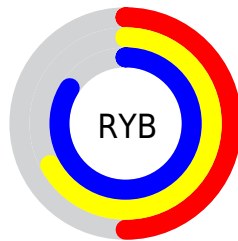
The XYZ color **44.5569, 56.9046, 71.5861** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.8627, 30.8589, 23.9888**, and the grayscale version is **47.3483, 49.8141, 54.2476**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **20.9242, 28.2244, 36.6928** is the 20% darker color. If you saturate the color by 10%, you get **41.7142, 55.4405, 71.4540**, and if you desaturate by 10%, it is **48.0735, 58.7188, 71.7523**.

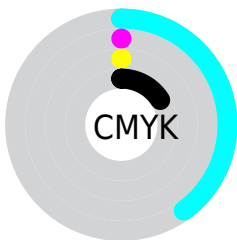
# Distribution



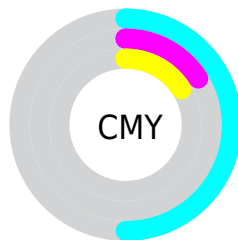
- Red (50%)
- Green (84%)
- Blue (84%)



- Red (50%)
- Yellow (67%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (16%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5569, 56.9046, 71.5861 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 44.5569, 56.9046, 71.5861 by changing the saturation by 10% instead.



■ 44.5569, 56.9046,  
71.5861

■ 44.5569, 56.9046,  
71.5861

355.7900,  
413.0917, 485.0384

■ 31.3083, 40.9287,  
52.3359

■ 81.2963, 100.3260,  
123.1701

■ 20.9867, 28.2633,  
36.8888

■ 105.5178,  
128.5402, 156.3410

■ 13.2267, 18.5243,  
24.8263

■ 134.1277,  
161.6026, 194.9892

■ 7.6629, 11.3270,  
15.7298

167.4913,  
199.8976, 239.5332

■ 3.9300, 6.2873,  
9.1809

205.9739,  
243.8097, 290.3916

■ 1.6626, 3.0205,  
4.7609

249.9410,

■ 0.4327, 1.1425,

293.7231, 347.9829

2.0514

299.7579,  
350.0223, 412.7257

■ 0.0000, 0.0139,  
0.5866

■ 0.0000, 0.0000,  
0.0000

■ 44.5569, 56.9046,  
71.5861

■ 44.5569, 56.9046,  
71.5861

■ 41.7142, 55.4405,  
71.4540

■ 48.0735, 58.7188,  
71.7523

■ 39.4978, 54.2979,  
71.3499


■ 52.2980, 60.8966,  
71.9503


■ 37.8619, 53.4546,  
71.2730


■ 57.2678, 63.4586,  
72.1833

■ 36.7521, 52.8825,  
71.2207


■ 63.0165, 66.4222,  
72.4526


 36.1041, 52.5484,  
71.1900


 69.5756, 69.8035,  
72.7600

 35.8052, 52.3943,  
71.1757

 76.9747, 73.6179,  
73.1066

 77.0461, 73.6547,  
73.1103

 77.0461, 73.6547,  
73.1106

 77.0462, 73.6547,  
73.1110

# Harmonies

## Analogous

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



44.3459, 56.9046, 55.5939



44.5569, 56.9046, 71.5861



47.2095, 56.9046, 87.2613

# Triad

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



44.5569, 56.9046, 71.5861



62.3194, 56.9046, 84.9186



56.4224, 56.9046, 36.7095

# Complementary

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



44.5569, 56.9046, 71.5861



38.8627, 30.8589, 23.9888

# 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.



61.6001, 56.9046, 42.0925



44.5569, 56.9046, 71.5861



65.1573, 56.9046, 68.7933

# Square

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



44.5569, 56.9046, 71.5861



57.3506, 56.9046, 95.8152



64.8854, 56.9046, 53.2370



50.9479, 56.9046, 37.1975



# Rectangle

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



44.5569, 56.9046, 71.5861



50.1146, 56.9046, 94.6047



64.8854, 56.9046, 53.2370



58.2621, 56.9046, 37.8481

# Sweetspot

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



44.5586, 56.9068, 71.5874



84.6745, 94.6512, 108.4138



36.5942, 53.7459, 28.5253



17.9045, 20.1462, 23.1947



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.



44.5586, 56.9068, 71.5874



63.4193, 83.6939, 107.4172



35.4093, 38.6079, 68.5390



12.7922, 14.1079, 15.9863



21.8706, 32.0036, 43.4756



1.3191, 1.9303, 2.6223



# Inverse Universe

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



38.8627, 30.8589, 23.9888



53.7791, 39.6082, 26.8575



45.3808, 43.8955, 26.1609



12.4233, 12.4208, 12.9035



16.7620, 8.6411, 0.7846

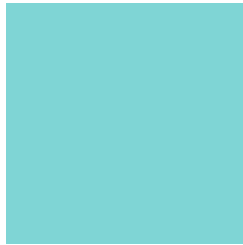


1.0110, 0.5212, 0.0473



# Previews

## White Background



This preview shows how the XYZ color 44.5569, 56.9046, 71.5861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

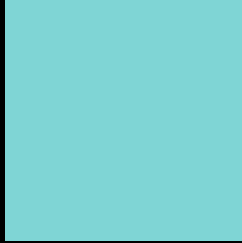
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5569, 56.9046, 71.5861 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

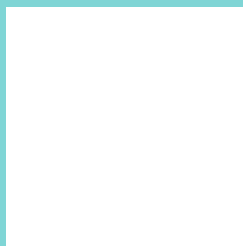
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 44.5569, 56.9046, 71.5861

## Background



This preview shows how black text looks on a background with the XYZ color 44.5569, 56.9046, 71.5861.



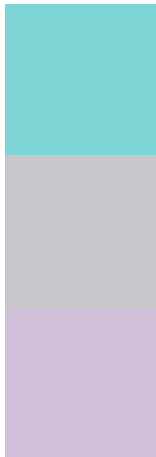
This preview shows how white text looks on a background with the XYZ color 44.5569, 56.9046,



# 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

44.5569, 56.9046, 71.5861

### Protanopia

54.5652, 56.5237, 64.5342

### Deuteranopia

57.3864, 56.1189, 73.4531



## Tritanopia

46.6579, 57.0153, 81.9447

# Trichromacy



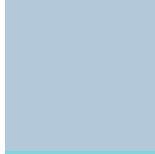
## Original Color

44.5569, 56.9046, 71.5861



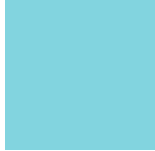
## Protanomaly

49.8520, 56.1011, 67.2326



## Deuteranomaly

51.6394, 55.8501, 73.0242



## Tritanomaly

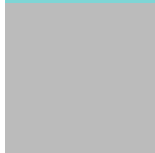
46.0687, 57.1605, 78.4170

# Monochromacy



## Original Color

44.5569, 56.9046, 71.5861



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

45.2208, 51.4647, 59.7748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5569, 56.9046, 71.5861 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(127, 213, 213)` looks like.

```
.text, #text, p{  
    color:rgb(127, 213, 213)  
}
```

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(127, 213, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 213, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5569, 56.9046, 71.5861 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(127, 213, 213) }
```



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

```
.border{ border-color:rgb(127, 213, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 213, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 213, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 213, 213);  
box-shadow:4px 4px 4px 4px rgb(127, 213,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5569, 56.9046, 71.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 213, 213) }
```

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

```
.background{ background-color: rgb(127,  
213, 213) }
```

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