

# Converting Colors

XYZ(56.0005, 70.8182, 79.7617)

Have a look what the booklet for  
XYZ(56.0005, 70.8182, 79.7617)  
contains.

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# Color

**XYZ(56.1252, 71.0881,  
79.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BEADE
RGB	155, 234, 222
RGB Percent	61%, 92%, 87%
CMY	0.3921, 0.0823, 0.1294
CMYK	0.34, 0.00, 0.05, 0.08
HSL	171°, 65%, 76%
HSV	171°, 34%, 92%
XYZ	56.1252, 71.0881, 79.8705
YIQ	209.0110, -43.2320, -20.4800

# Conversions

## Conversions Part 2

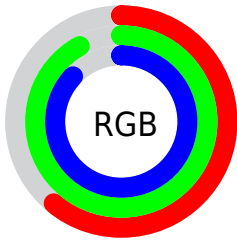
Format	Color
<a href="#">RYB</a>	<a href="#">155, 198, 234</a>
Decimal	<a href="#">10218206</a>
CIELab	<a href="#">87.53, -26.76, -1.88</a>
CIElCh	<a href="#">88, 26.828, 184.012</a>
Yxy	<a href="#">71.0881, 0.2710, 0.3433</a>
Android (android.graphics.Color)	<a href="#">4288408286 (0xFF9BEADE)</a>
YUV	<a href="#">209.0110, 6.4036, -47.3676</a>
Hunter-Lab	<a href="#">84.3138, -28.7269, 2.8542</a>

# Details

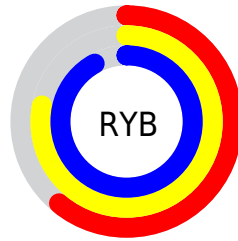
The XYZ color **56.1252, 71.0881, 79.8705** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.6305, 43.7271, 42.2282**, and the grayscale version is **60.5929, 63.7485, 69.4221**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **28.1510, 37.3401, 42.2829** is the 20% darker color. If you saturate the color by 10%, you get **51.5911, 68.8070, 77.1983**, and if you desaturate by 10%, it is **61.5436, 73.8275, 82.6396**.

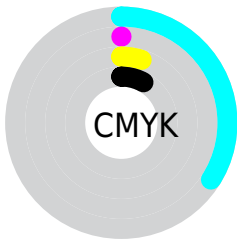
# Distribution



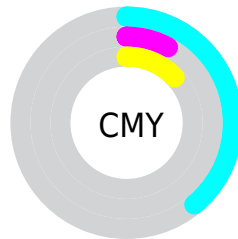
- Red (61%)
- Green (92%)
- Blue (87%)



- Red (61%)
- Yellow (78%)
- Blue (92%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)




- Cyan (39%)
- Magenta (8%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1252, 71.0881, 79.8705 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 56.1252, 71.0881, 79.8705 by changing the saturation by 10% instead.





 56.1252, 71.0881,  
79.8705


 56.1252, 71.0881,  
79.8705

400.2305,  
464.3614, 514.1916

 40.5407, 52.4141,  
59.0863


 98.3264, 120.7592,  
134.9934

 28.1465, 37.3352,  
42.2621


 125.6737,  
152.5250, 170.1691

 18.5771, 25.4672,  
28.9795


157.6728,  
189.4236, 210.9791

 11.4673, 16.4255,  
18.8198

194.6889,  
231.8393, 257.8419

 6.4517, 9.8257,  
11.3647

237.0873,  
280.1565, 311.1760

 3.1649, 5.2836,  
6.1954

285.2335,

 1.2415, 2.4146,

334.7597, 371.3999

2.8936

339.4928,  
396.0332, 438.9323

■ 0.1388, 0.8334,  
1.0406

■ 0.0000, 0.0000,  
0.0000

■ 56.1252, 71.0881,  
79.8705

■ 56.1252, 71.0881,  
79.8705

■ 51.5911, 68.8070,  
77.1983

■ 61.5436, 73.8275,  
82.6396

■ 47.8848, 66.9496,  
74.6155

■ 67.8867, 77.0407,  
85.5032

■ 44.9524, 65.4901,  
72.1207

■ 75.1996, 80.7527,  
88.4652

■ 42.7315, 64.3962,  
69.7108

■ 83.5229, 84.9843,  
91.5280

■ 41.1496, 63.6306,  
67.3819

■ 86.3592, 86.3861,  
94.3876

■ 40.1185, 63.1479,  
65.1296

■ 86.8920, 86.5993,  
97.1935

■ 39.6693, 62.9462,  
63.7590

■ 87.4353, 86.8166,  
100.0542

■ 87.9890, 87.0380,  
102.9699

■ 88.5532, 87.2637,  
105.9411

# Harmonies

## Analogous

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



57.1944, 71.0881, 63.0951



56.1252, 71.0881, 79.8705



57.9607, 71.0881, 98.6123

# Triad

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



56.1252, 71.0881, 79.8705



74.6155, 71.0881, 110.0864



73.0488, 71.0881, 50.0787

# Complementary

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



56.1252, 71.0881, 79.8705



52.6305, 43.7271, 42.2282

# 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.



78.1803, 71.0881, 59.4759



56.1252, 71.0881, 79.8705



79.1238, 71.0881, 93.7249

# Square

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



56.1252, 71.0881, 79.8705



68.4233, 71.0881, 117.6985



80.4671, 71.0881, 74.9866



66.7181, 71.0881, 47.5468

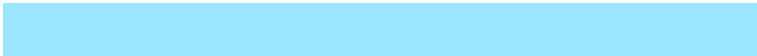


# Rectangle

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



56.1252, 71.0881, 79.8705



60.6563, 71.0881, 109.2157



80.4671, 71.0881, 74.9866



74.9839, 71.0881, 52.4585

# Sweetspot

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



56.1272, 71.0910, 79.8721



85.6653, 95.2334, 105.2376



51.5254, 69.5582, 41.7221



18.0746, 20.2513, 22.4171



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

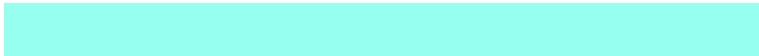


# Same Dimension

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



56.1272, 71.0910, 79.8721



64.0178, 84.2856, 94.6457



50.8457, 57.8609, 86.3335



15.4136, 17.0803, 18.8608



22.3288, 35.3860, 36.0261



1.7800, 2.7893, 2.9692



# Inverse Universe

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



52.6305, 43.7271, 42.2282



59.1319, 45.9820, 41.9962



56.4422, 53.0447, 38.2756



15.1587, 15.0913, 16.1212



19.2715, 9.9113, 1.9653

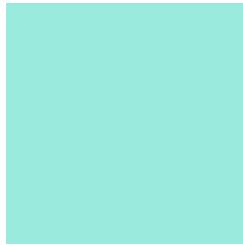


1.5419, 0.7897, 0.3048



# Previews

## White Background



This preview shows how the XYZ color 56.1252, 71.0881, 79.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

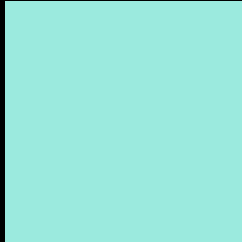
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1252, 71.0881, 79.8705 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 56.1252, 71.0881, 79.8705

## Background



This preview shows how black text looks on a background with the XYZ color 56.1252, 71.0881, 79.8705.



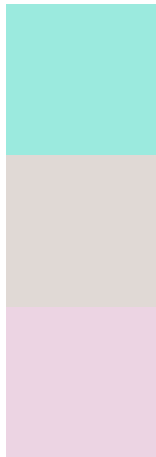
This preview shows how white text looks on a background with the XYZ color 56.1252, 71.0881, 79.8705.



# 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

56.1252, 71.0881, 79.8705

### Protanopia

67.5636, 70.2771, 72.9546

### Deuteranopia

72.0007, 70.4659, 82.4795



## Tritanopia

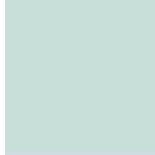
60.0936, 71.0102, 100.1616

# Trichromacy



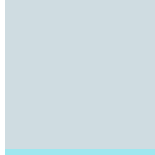
## Original Color

56.1252, 71.0881, 79.8705



## Protanomaly

62.3355, 69.8753, 75.1676



## Deuteranomaly

64.9159, 69.8880, 81.3025



## Tritanomaly

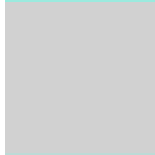
58.4540, 70.7548, 92.2375

# Monochromacy



## Original Color

56.1252, 71.0881, 79.8705



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.1953, 65.8167, 73.2550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1252, 71.0881, 79.8705 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(155, 234, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 234, 222)  
}
```

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(155, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 234, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1252, 71.0881, 79.8705 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(155, 234, 222) }
```



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

```
.border{ border-color:rgb(155, 234, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 234, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 234,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1252, 71.0881, 79.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 234, 222) }
```

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

```
.background{ background-color: rgb(155,  
234, 222) }
```

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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