

# Converting Colors

XYZ(47.2328, 70.6064, 71.2834)

Have a look what the booklet for  
XYZ(47.2328, 70.6064, 71.2834)  
contains.

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# Color

**XYZ(47.3055, 70.6359,  
71.4624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55F3D1
RGB	85, 243, 209
RGB Percent	33%, 95%, 82%
CMY	0.6666, 0.0470, 0.1804
CMYK	0.65, 0.00, 0.14, 0.05
HSL	167°, 87%, 64%
HSV	167°, 65%, 95%
XYZ	47.3055, 70.6359, 71.4624
YIQ	191.8820, -83.2540, -44.0700

# Conversions

## Conversions Part 2

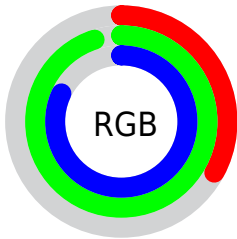
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 174, 243
Decimal	5632977
CIELab	87.31, -49.05, 4.31
CIELCh	87, 49.239, 174.979
Yxy	70.6359, 0.2498, 0.3729
Android (android.graphics.Color)	4283823057 (0xFF55F3D1)
YUV	191.8820, 8.4392, -93.7355
Hunter-Lab	84.0452, -46.6089, 8.4182

# Details

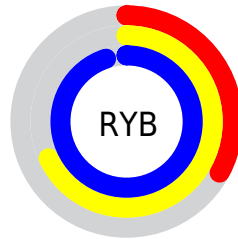
The XYZ color **47.3055, 70.6359, 71.4624** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **43.5428, 26.8855, 20.3498**, and the grayscale version is **50.0232, 52.6283, 57.3122**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **23.4753, 37.4844, 37.0083** is the 20% darker color. If you saturate the color by 10%, you get **44.8300, 69.4350, 68.0231**, and if you desaturate by 10%, it is **50.5634, 72.2411, 75.0524**.

# Distribution



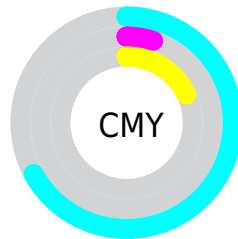
- Red (33%)
- Green (95%)
- Blue (82%)



- Red (33%)
- Yellow (68%)
- Blue (95%)



- Cyan (65%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)




- Cyan (67%)
- Magenta (5%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3055, 70.6359, 71.4624 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 47.3055, 70.6359, 71.4624 by changing the saturation by 10% instead.





 47.3055, 70.6359,  
71.4624


 47.3055, 70.6359,  
71.4624

366.6612,  
462.7796, 484.5954


 33.4862, 52.0451,  
52.2355


 85.3854, 120.1151,  
122.9925


 22.6602, 37.0410,  
36.8093

 110.3768,  
151.7724, 156.1328

 14.4621, 25.2393,  
24.7652


 139.8228,  
188.5539, 194.7479

 8.5266, 16.2554,  
15.6848

 174.0889,  
230.8441, 239.2564

 4.4883, 9.7051,  
9.1495

213.5405,  
279.0274, 290.0769

 1.9819, 5.2038,  
4.7407

258.5428,

 0.6238, 2.3674,

333.4882, 347.6279

2.0398

309.4613,  
394.6108, 412.3278

■ 0.0000, 0.8090,  
0.5796

■ 0.0000, 0.0000,  
0.0000

■ 47.3055, 70.6359,  
71.4624

■ 47.3055, 70.6359,  
71.4624

■ 44.8300, 69.4350,  
68.0231

■ 50.5634, 72.2411,  
75.0524

■ 43.0493, 68.5882,  
64.7248


■ 54.6677, 74.2784,  
78.7924


■ 41.8655, 68.0467,  
61.5632


■ 59.6825, 76.7826,  
82.6880


■ 41.4236, 67.8523,  
60.0354


■ 65.6640, 79.7826,  
86.7429

 72.6637, 83.3050,  
90.9605

 80.7296, 87.3745,  
95.3439

 89.8663, 91.9934,  
99.8945

 90.6789, 92.3184,  
104.1734

 91.3418, 92.5835,  
107.6639

# Harmonies

## Analogous

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



50.5001, 70.6359, 45.8067



47.3055, 70.6359, 71.4624



48.9051, 70.6359, 107.1124

# Triad

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



47.3055, 70.6359, 71.4624



76.9883, 70.6359, 150.4258



80.7464, 70.6359, 35.6084

# Complementary

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



47.3055, 70.6359, 71.4624



43.5428, 26.8855, 20.3498

# 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.



89.4165, 70.6359, 52.9973



47.3055, 70.6359, 71.4624



87.0778, 70.6359, 119.6279

# Square

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



47.3055, 70.6359, 71.4624



65.2070, 70.6359, 159.5526



91.8567, 70.6359, 82.6287



69.1053, 70.6359, 29.2629



# Rectangle

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



47.3055, 70.6359, 71.4624



52.5835, 70.6359, 131.3795



91.8567, 70.6359, 82.6287



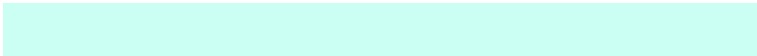
84.1556, 70.6359, 40.0610

# Sweetspot

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



47.3075, 70.6387, 71.4641



76.9947, 90.8905, 99.0930



41.3323, 68.6984, 19.6773



16.0192, 19.2225, 20.9278



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.



47.3075, 70.6387, 71.4641



49.3048, 77.1270, 74.7051



40.1736, 48.8999, 92.1184



16.8351, 18.6932, 20.4157



22.7858, 37.2592, 33.2214



2.0397, 3.2895, 3.1151



# Inverse Universe

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



43.5428, 26.8855, 20.3498



44.9066, 24.9971, 14.2385



46.5558, 35.6161, 13.0165



16.6451, 16.5409, 17.8775



20.6702, 10.6115, 2.9717

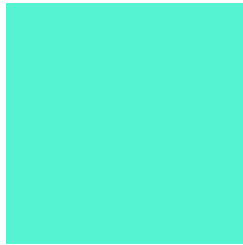


1.8532, 0.9472, 0.4533



# Previews

## White Background



This preview shows how the XYZ color 47.3055, 70.6359, 71.4624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

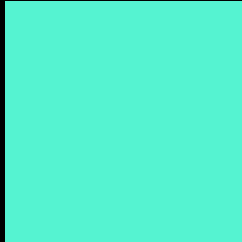
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3055, 70.6359, 71.4624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

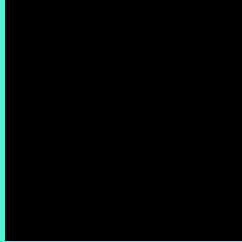
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

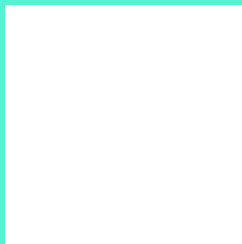
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.3055, 70.6359, 71.4624

## Background



This preview shows how black text looks on a background with the XYZ color 47.3055, 70.6359, 71.4624.



This preview shows how white text looks on a background with the XYZ color 47.3055, 70.6359,



# 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

47.3055, 70.6359, 71.4624

### Protanopia

65.7702, 69.2206, 61.5242

### Deuteranopia

70.7012, 69.2282, 74.6018



## Tritanopia

54.2298, 70.3991, 105.3379

# Trichromacy



## Original Color

47.3055, 70.6359, 71.4624



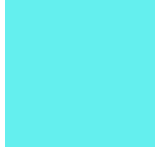
## Protanomaly

55.3009, 67.6768, 64.7918



## Deuteranomaly

57.4229, 66.9917, 72.8550



## Tritanomaly

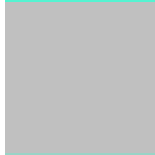
51.5546, 70.6154, 91.8018

# Monochromacy



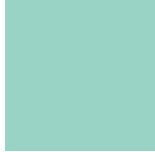
## Original Color

47.3055, 70.6359, 71.4624



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

46.6242, 57.4381, 62.0554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3055, 70.6359, 71.4624 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(85, 243, 209)` looks like.

```
.text, #text, p{  
    color:rgb(85, 243, 209)  
}
```

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(85, 243, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 243, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3055, 70.6359, 71.4624 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(85, 243, 209) }
```



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

```
.border{ border-color:rgb(85, 243, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 243, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 243, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 243, 209);  
box-shadow:4px 4px 4px 4px rgb(85, 243,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3055, 70.6359, 71.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 243, 209) }
```

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

```
.background{ background-color: rgb(85, 243,  
209) }
```

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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