

# Converting Colors

XYZ(56.2745, 73.6889, 72.6194)

Have a look what the booklet for  
XYZ(56.2745, 73.6889, 72.6194)  
contains.

<b>XYZ(56.1419, 73.4047, 72.8376)</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(56.1419, 73.4047,  
72.8376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BEFD3
RGB	155, 239, 211
RGB Percent	61%, 94%, 83%
CMY	0.3921, 0.0627, 0.1725
CMYK	0.35, 0.00, 0.12, 0.06
HSL	160°, 72%, 77%
HSV	160°, 35%, 94%
XYZ	56.1419, 73.4047, 72.8376
YIQ	210.6920, -41.0760, -26.5160

# Conversions

## Conversions Part 2

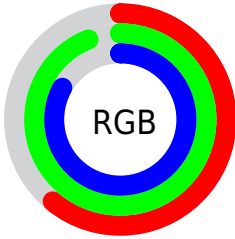
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 205, 239
Decimal	10219475
CIELab	88.64, -31.52, 5.50
CIELCh	89, 31.992, 170.103
Yxy	73.4047, 0.2774, 0.3627
Android (android.graphics.Color)	4288409555 (0xFF9BEFD3)
YUV	210.6920, 0.1518, -48.8419
Hunter-Lab	85.6765, -32.9669, 9.5684

# Details

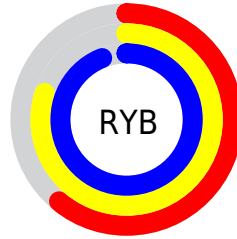
The XYZ color **56.1419, 73.4047, 72.8376** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.8676, 45.2141, 50.5851**, and the grayscale version is **61.7337, 64.9487, 70.7291**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **28.2748, 39.0106, 37.9379** is the 20% darker color. If you saturate the color by 10%, you get **51.0273, 70.8825, 67.5138**, and if you desaturate by 10%, it is **62.2179, 76.4206, 78.4680**.

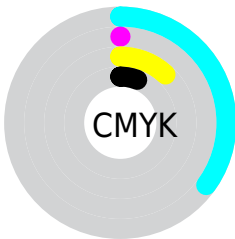
# Distribution



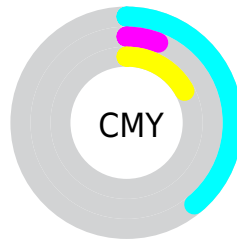
- Red (61%)
- Green (94%)
- Blue (83%)



- Red (61%)
- Yellow (80%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)




- Cyan (39%)
- Magenta (6%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1419, 73.4047, 72.8376 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 56.1419, 73.4047, 72.8376 by changing the saturation by 10% instead.





 56.1419, 73.4047,  
72.8376


 56.1419, 73.4047,  
72.8376


400.2924,  
472.4162, 489.5074

 40.5542, 54.3069,  
53.3522


 98.3506, 124.0516,  
124.9654

 28.1570, 38.8471,  
37.6943


 125.7023,  
156.3695, 158.4449

 18.5851, 26.6408,  
25.4455


157.7060,  
193.8629, 197.4261

 11.4731, 17.3036,  
16.1873

194.7271,  
236.9162, 242.3276

 6.4556, 10.4512,  
9.5010

237.1310,  
285.9138, 293.5680

 3.1673, 5.6991,  
4.9681


285.2829,


 1.2429, 2.6630,


341.2400, 351.5657


2.1702


339.5482,  
403.2794, 416.7393


 0.1398, 0.9584,  
0.6571


 0.0000, 0.0000,  
0.0000


 56.1419, 73.4047,  
72.8376

 56.1419, 73.4047,  
72.8376


 51.0273, 70.8825,  
67.5138


 62.2179, 76.4206,  
78.4680


 46.8134, 68.8171,  
62.4853

 69.2993, 79.9471,  
84.4061

 43.4421, 67.1805,  
57.7473

 77.4345, 84.0110,  
90.6590

 40.8454, 65.9378,  
53.2926

 86.6673, 88.6347,  
97.2325

■ 38.9445, 65.0484,  
49.1137

■ 89.4950, 89.9505,  
103.7788

■ 37.6425, 64.4624,  
45.2018

■ 90.1578, 90.2156,  
107.2693

■ 37.1546, 64.2504,  
43.3950

# Harmonies

## Analogous

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



58.9876, 73.4047, 55.6377



56.1419, 73.4047, 72.8376



56.7353, 73.4047, 95.4477

# Triad

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



56.1419, 73.4047, 72.8376



74.9971, 73.4047, 126.8711



79.7313, 73.4047, 51.5419

# Complementary

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



56.1419, 73.4047, 72.8376



55.8676, 45.2141, 50.5851

# 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.



84.6599, 73.4047, 66.1841



56.1419, 73.4047, 72.8376



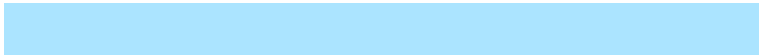
81.7899, 73.4047, 110.4164

# Square

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



56.1419, 73.4047, 72.8376



67.2482, 73.4047, 129.5535



85.4399, 73.4047, 87.4584



72.3520, 73.4047, 44.9305

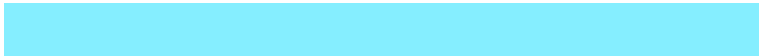


# Rectangle

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



56.1419, 73.4047, 72.8376



59.0182, 73.4047, 110.5614



85.4399, 73.4047, 87.4584



81.7519, 73.4047, 55.5461

# Sweetspot

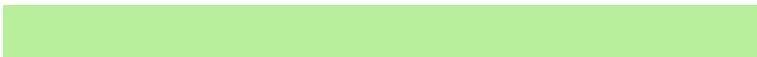
The Sweet Spot groups the original color and five complimentary colors.



56.1440, 73.4077, 72.8393



84.0036, 94.4751, 100.7149



56.6483, 74.3425, 42.3752



17.7115, 20.0874, 21.3479



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

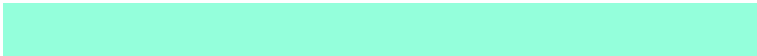


# Same Dimension

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



56.1440, 73.4077, 72.8393



60.7801, 82.9367, 80.0284



56.4051, 67.8139, 91.7814



16.0103, 17.8342, 19.0772



20.5950, 35.5300, 24.3137



1.7593, 2.9741, 2.2646



# Inverse Universe

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



55.8676, 45.2141, 50.5851



60.4243, 45.8525, 50.7949



55.4441, 48.5769, 37.4654



15.9901, 15.8458, 17.5042



20.5193, 10.4801, 5.3851

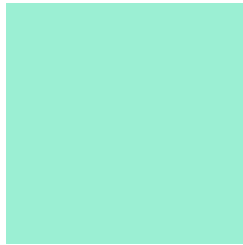


1.7515, 0.8896, 0.6822



# Previews

## White Background



This preview shows how the XYZ color 56.1419, 73.4047, 72.8376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

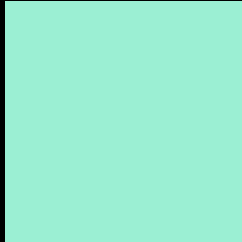
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1419, 73.4047, 72.8376 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 56.1419, 73.4047, 72.8376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1419, 73.4047, 72.8376.



This preview shows how white text looks on a background with the XYZ color 56.1419, 73.4047,



# 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

56.1419, 73.4047, 72.8376

### Protanopia

69.0322, 72.7529, 65.6627

### Deuteranopia

74.0974, 72.4635, 75.0472



## Tritanopia

62.0194, 73.1986, 102.9554

# Trichromacy



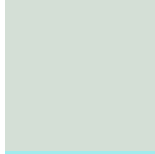
## Original Color

56.1419, 73.4047, 72.8376



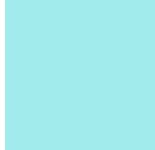
## Protanomaly

63.3914, 72.5911, 68.4280



## Deuteranomaly

65.6767, 71.6274, 73.9823



## Tritanomaly

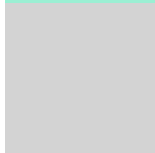
59.6923, 73.1082, 91.0859

# Monochromacy



## Original Color

56.1419, 73.4047, 72.8376



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.1002, 67.4924, 71.5404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1419, 73.4047, 72.8376 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, 239, 211)` looks like.

```
.text, #text, p{  
    color:rgb(155, 239, 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(155, 239, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 239, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1419, 73.4047, 72.8376 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, 239, 211) }
```



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

```
.border{ border-color:rgb(155, 239, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 239, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 239, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 239, 211);  
box-shadow:4px 4px 4px 4px rgb(155, 239,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1419, 73.4047, 72.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 239, 211) }
```

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

```
.background{ background-color: rgb(155,  
239, 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](#).

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