

# Converting Colors

XYZ(55.3888, 72.7516, 65.1911)

Have a look what the booklet for  
XYZ(55.3888, 72.7516, 65.1911)  
contains.

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# Color

**XYZ(55.3805, 72.7462,  
65.1554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0EEC7
RGB	160, 238, 199
RGB Percent	63%, 93%, 78%
CMY	0.3725, 0.0666, 0.2196
CMYK	0.33, 0.00, 0.16, 0.07
HSL	150°, 70%, 78%
HSV	150°, 33%, 93%
XYZ	55.3805, 72.7462, 65.1554
YIQ	210.2320, -33.9690, -28.6650

# Conversions

## Conversions Part 2

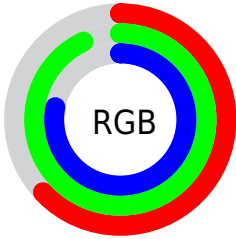
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 212, 238
Decimal	10546887
CIELab	88.33, -32.07, 11.34
CIELCh	88, 34.013, 160.530
Yxy	72.7462, 0.2865, 0.3764
Android (android.graphics.Color)	4288736967 (0xFFA0EEC7)
YUV	210.2320, -5.5374, -44.0535
Hunter-Lab	85.2914, -33.3582, 14.4114

# Details

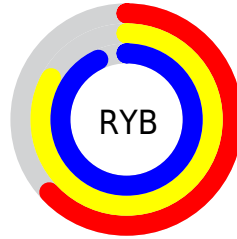
The XYZ color **55.3805, 72.7462, 65.1554** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.1419, 47.4439, 60.1288**, and the grayscale version is **61.4637, 64.6646, 70.4198**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **27.7826, 38.5644, 32.7674** is the 20% darker color. If you saturate the color by 10%, you get **49.7425, 69.9951, 57.9593**, and if you desaturate by 10%, it is **62.0414, 76.0160, 72.9666**.

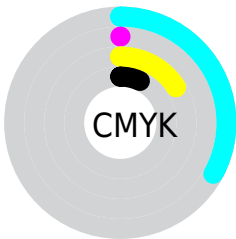
# Distribution



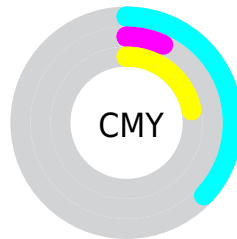
- Red (63%)
- Green (93%)
- Blue (78%)



- Red (63%)
- Yellow (83%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (37%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3805, 72.7462, 65.1554 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 55.3805, 72.7462, 65.1554 by changing the saturation by 10% instead.





 55.3805, 72.7462,  
65.1554


 55.3805, 72.7462,  
65.1554


397.4656,  
470.1347, 461.6717

 39.9415, 53.7685,  
47.1350


 97.2433, 123.1168,  
113.8887

 27.6769, 38.4166,  
32.7872


 124.3978,  
155.2785, 145.4386

 18.2215, 26.3062,  
21.6937


156.1882,  
192.6037, 182.3353

 11.2098, 17.0528,  
13.4359

192.9798,  
235.4766, 224.9976

 6.2764, 10.2722,  
7.5951

235.1380,  
284.2818, 273.8438

 3.0561, 5.5798,  
3.7530


283.0281,

 1.1835, 2.5913,


339.4036, 329.2925


1.4908


337.0156,  
401.2265, 391.7623

 0.0933, 0.9223,  
0.2111


 0.0000, 0.0000,  
0.0000


 55.3805, 72.7462,  
65.1554


 55.3805, 72.7462,  
65.1554


 49.7425, 69.9951,  
57.9593


 62.0414, 76.0160,  
72.9666

 45.0667, 67.7260,  
51.3580

 69.7695, 79.8213,  
81.4028

 41.2953, 65.9111,  
45.3371

 78.6138, 84.1890,  
90.4798

 38.3611, 64.5162,  
39.8795

 88.5434, 89.1028,  
100.2078

■ 36.1871, 63.5019,  
34.9675

■ 89.8659, 89.6318,  
107.1720

■ 34.6805, 62.8208,  
30.5814

■ 33.9056, 62.4837,  
27.7258

# Harmonies

## Analogous

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



59.4402, 72.7462, 49.7291



55.3805, 72.7462, 65.1554



54.8364, 72.7462, 87.7070

# Triad

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



55.3805, 72.7462, 65.1554



72.0502, 72.7462, 132.1073



81.7669, 72.7462, 53.4494

# Complementary

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



55.3805, 72.7462, 65.1554



58.1419, 47.4439, 60.1288

# 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.



85.7440, 72.7462, 71.2770



55.3805, 72.7462, 65.1554



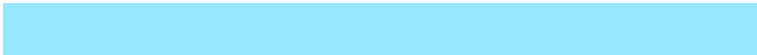
79.8483, 72.7462, 118.5046

# Square

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



55.3805, 72.7462, 65.1554



64.0443, 72.7462, 129.5742



85.0154, 72.7462, 95.1490



74.5056, 72.7462, 43.9479



# Rectangle

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



55.3805, 72.7462, 65.1554



56.4900, 72.7462, 104.2970



85.0154, 72.7462, 95.1490



83.5571, 72.7462, 58.5047

# Sweetspot

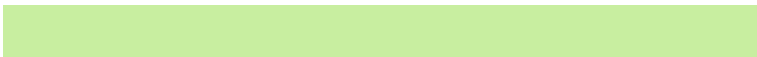
The Sweet Spot groups the original color and five complimentary colors.



55.3825, 72.7492, 65.1570



84.2974, 94.6862, 98.0344



60.8217, 76.0111, 44.7245



17.7427, 20.1185, 20.6696



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

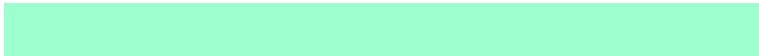


# Same Dimension

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



55.3825, 72.7492, 65.1570



60.4359, 82.9641, 70.7591



60.3164, 74.7228, 91.1386



15.8955, 17.7882, 18.4727



18.9804, 34.8842, 15.8117



1.6292, 2.9221, 1.5798



# Inverse Universe

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



58.1419, 47.4439, 60.1288



64.1060, 49.3073, 64.0714



54.2923, 45.9040, 39.8568



16.1024, 15.8907, 18.0957



21.5946, 10.9103, 11.0479

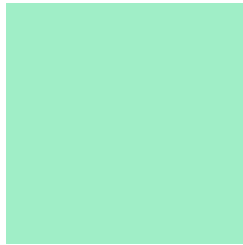


1.8467, 0.9277, 1.1835



# Previews

## White Background



This preview shows how the XYZ color 55.3805, 72.7462, 65.1554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

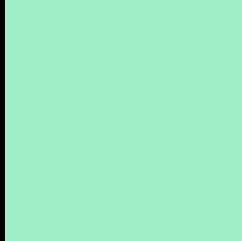
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3805, 72.7462, 65.1554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

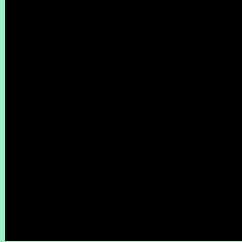
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.3805, 72.7462, 65.1554

## Background



This preview shows how black text looks on a background with the XYZ color 55.3805, 72.7462, 65.1554.



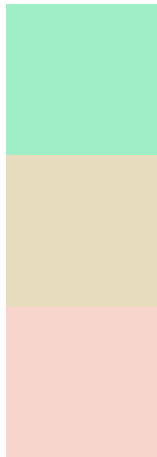
This preview shows how white text looks on a background with the XYZ color 55.3805, 72.7462,



# 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

55.3805, 72.7462, 65.1554

### Protanopia

68.1662, 72.0599, 59.0314

### Deuteranopia

73.4047, 71.9046, 67.1369



## Tritanopia

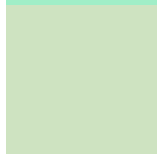
62.4694, 72.6493, 100.3528

# Trichromacy



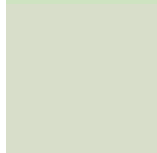
## Original Color

55.3805, 72.7462, 65.1554



## Protanomaly

62.5483, 71.9102, 61.0355



## Deuteranomaly

65.1008, 71.1057, 66.1707



## Tritanomaly

59.7830, 72.8306, 86.5081

# Monochromacy



## Original Color

55.3805, 72.7462, 65.1554



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.4720, 66.8491, 68.2139

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3805, 72.7462, 65.1554 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(160, 238, 199)` looks like.

```
.text, #text, p{  
    color:rgb(160, 238, 199)  
}
```

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(160, 238, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 238, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3805, 72.7462, 65.1554 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(160, 238, 199) }
```



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

```
.border{ border-color:rgb(160, 238, 199) }
```

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

Here you see how a box with a 4 pixel rgb(160, 238, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 238, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 238, 199);  
box-shadow:4px 4px 4px 4px rgb(160, 238,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3805, 72.7462, 65.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 238, 199) }
```

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

```
.background{ background-color: rgb(160,  
238, 199) }
```

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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