

# Converting Colors

XYZ(55.1564, 66.3863, 83.3056)

Have a look what the booklet for  
XYZ(55.1564, 66.3863, 83.3056)  
contains.

<b>XYZ(55.1564, 66.3863, 83.3056)</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(55.1564, 66.3863,  
83.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E0E4
RGB	160, 224, 228
RGB Percent	63%, 88%, 89%
CMY	0.3725, 0.1216, 0.1059
CMYK	0.30, 0.02, 0.00, 0.11
HSL	184°, 56%, 76%
HSV	184°, 30%, 89%
XYZ	55.1564, 66.3863, 83.3056
YIQ	205.3200, -39.4280, -12.3240

# Conversions

## Conversions Part 2

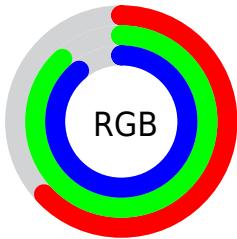
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 193, 228
Decimal	10543332
CIELab	85.19, -19.13, -8.45
CIELCh	85, 20.910, 203.841
Yxy	66.3863, 0.2693, 0.3241
Android (android.graphics.Color)	4288733412 (0xFFA0E0E4)
YUV	205.3200, 11.1812, -39.7456
Hunter-Lab	81.4778, -21.7505, -3.5856

# Details

The XYZ color **55.1564, 66.3863, 83.3056** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6163, 45.5834, 39.3370**, and the grayscale version is **58.1825, 61.2126, 66.6605**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **27.6747, 34.4572, 44.7275** is the 20% darker color. If you saturate the color by 10%, you get **50.6515, 63.5329, 82.9934**, and if you desaturate by 10%, it is **60.5039, 69.6816, 83.6609**.

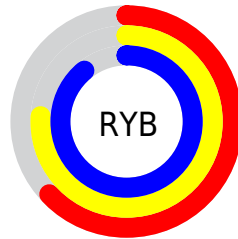
# Distribution



Red (63%)

Green (88%)

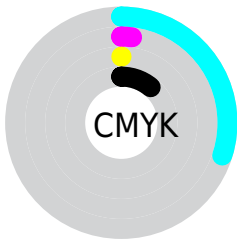
Blue (89%)



Red (63%)

Yellow (76%)

Blue (89%)

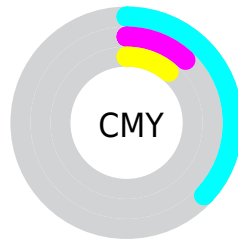


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (37%)

Magenta (12%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1564, 66.3863, 83.3056 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 55.1564, 66.3863, 83.3056 by changing the saturation by 10% instead.





 55.1564, 66.3863,  
83.3056


 55.1564, 66.3863,  
83.3056


396.6313,  
447.7572, 526.0021

 39.7613, 48.5861,  
61.9002


 96.9171, 114.0406,  
139.8565

 27.5359, 34.2912,  
44.5168

 124.0133,  
144.6634, 175.8390

 18.1147, 23.1174,  
30.7368


155.7407,  
180.3293, 217.5177

 11.1326, 14.6802,  
20.1418

192.4645,  
221.4225, 265.3111

 6.2240, 8.5953,  
12.3130

234.5501,  
268.3275, 319.6376

 3.0237, 4.4782,  
6.8321

282.3628,

 1.1663, 1.9445,

321.4287, 380.9160

3.2805

336.2681,  
381.1104, 449.5646

■ 0.0795, 0.5749,  
1.2396

■ 0.0000, 0.0000,  
0.0115

■ 55.1564, 66.3863,  
83.3056

■ 55.1564, 66.3863,  
83.3056

■ 50.6515, 63.5329,  
82.9934

■ 60.5039, 69.6816,  
83.6609

■ 46.9377, 61.0899,  
82.7176

■ 66.7303, 73.4325,  
84.0568

■ 43.9666, 59.0340,  
82.4773

■ 73.8772, 77.6622,  
84.4965

■ 41.6825, 57.3364,  
82.2701

■ 81.9814, 82.3897,  
84.9818

■ 40.0215, 55.9642,  
82.0927

■ 83.7375, 83.8488,  
85.1709

■ 38.9080, 54.8784,  
81.9419

■ 84.1134, 84.6007,  
85.2963

■ 38.2131, 54.0126,  
81.8114

■ 84.4923, 85.3584,  
85.4225

■ 38.2021, 53.9980,  
81.8091

■ 84.8740, 86.1219,  
85.5498

■ 85.2586, 86.8911,  
85.6780

# Harmonies

## Analogous

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



54.4990, 66.3863, 69.5308



55.1564, 66.3863, 83.3056



57.8939, 66.3863, 95.3629

# Triad

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



55.1564, 66.3863, 83.3056



70.7123, 66.3863, 88.7278



64.0768, 66.3863, 49.4006

# Complementary

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



55.1564, 66.3863, 83.3056



51.6163, 45.5834, 39.3370

# 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.



68.6054, 66.3863, 53.2648



55.1564, 66.3863, 83.3056



72.5575, 66.3863, 75.1076

# Square

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



55.1564, 66.3863, 83.3056



66.8378, 66.3863, 98.7564



71.7679, 66.3863, 62.2790



59.5007, 66.3863, 51.0223

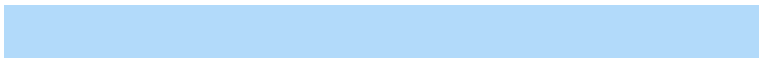


# Rectangle

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



55.1564, 66.3863, 83.3056



60.6062, 66.3863, 100.2301



71.7679, 66.3863, 62.2790



65.6575, 66.3863, 50.0839

# Sweetspot

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



55.1584, 66.3890, 83.3071



86.6761, 95.0464, 108.3852



48.8886, 65.6203, 44.9291



18.2823, 20.1827, 23.1820



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.



55.1584, 66.3890, 83.3071



67.2578, 83.1527, 107.1130



47.0458, 50.1638, 80.6029



14.7311, 16.1836, 18.4917



22.0901, 31.2422, 47.2493



1.6546, 2.3531, 3.4990



# Inverse Universe

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



58.0218, 47.0189, 76.5415



71.5659, 54.4027, 96.8456



58.3985, 59.1478, 41.5977



14.9566, 14.5998, 17.9719



25.5435, 12.3516, 38.0869

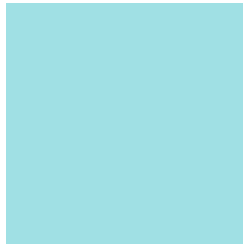


1.8988, 0.9172, 2.8735



# Previews

## White Background



This preview shows how the XYZ color 55.1564, 66.3863, 83.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

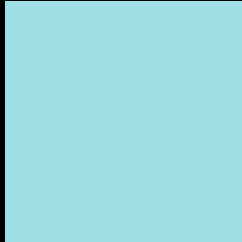
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1564, 66.3863, 83.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

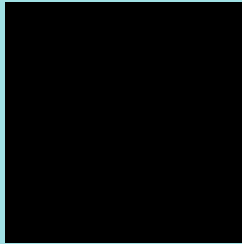
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.1564, 66.3863, 83.3056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1564, 66.3863, 83.3056.



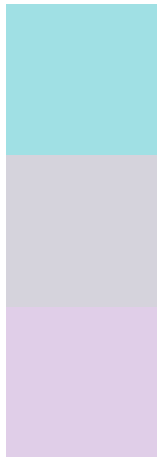
This preview shows how white text looks on a background with the XYZ color 55.1564, 66.3863,



# 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

55.1564, 66.3863, 83.3056

### Protanopia

63.6531, 65.9020, 77.0756

### Deuteranopia

67.3773, 65.8161, 85.4965



## Tritanopia

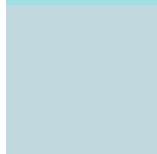
56.9537, 66.3204, 92.2374

# Trichromacy



## Original Color

55.1564, 66.3863, 83.3056



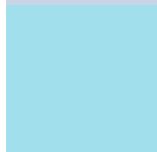
## Protanomaly

60.1233, 65.9088, 79.3649



## Deuteranomaly

62.3054, 65.7755, 85.0134



## Tritanomaly

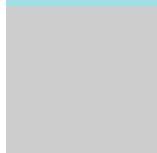
56.4283, 66.5129, 89.2211

# Monochromacy



## Original Color

55.1564, 66.3863, 83.3056



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

56.5400, 62.7099, 72.0750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1564, 66.3863, 83.3056 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, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(160, 224, 228)  
}
```

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, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 224, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1564, 66.3863, 83.3056 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, 224, 228) }
```



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

```
.border{ border-color:rgb(160, 224, 228) }
```

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

Here you see how a box with a 4 pixel rgb(160, 224, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(160, 224,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1564, 66.3863, 83.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 224, 228) }
```

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

```
.background{ background-color: rgb(160,  
224, 228) }
```

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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