

Converting Colors

XYZ(40.9570, 56.0064, 85.0328)

Have a look what the booklet for
XYZ(40.9570, 56.0064, 85.0328)
contains.

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Color

**XYZ(40.8663, 55.8375,
84.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD8E8
RGB	58, 216, 232
RGB Percent	23%, 85%, 91%
CMY	0.7725, 0.1529, 0.0902
CMYK	0.75, 0.07, 0.00, 0.09
HSL	186°, 79%, 57%
HSV	186°, 75%, 91%
XYZ	40.8663, 55.8375, 84.9678
YIQ	170.5820, -99.3040, -28.5200

Conversions

Conversions Part 2

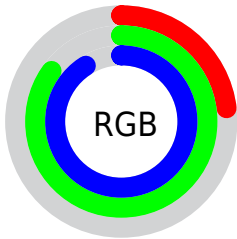
Format	Color
RYB	58, 141, 232
Decimal	3856616
CIELab	79.52, -34.35, -19.44
CIElCh	80, 39.469, 209.507
Yxy	55.8375, 0.2249, 0.3074
Android (android.graphics.Color)	4282046696 (0xFF3AD8E8)
YUV	170.5820, 30.2791, -98.7344
Hunter-Lab	74.7245, -33.1475, -15.1104

Details

The XYZ color **40.8663, 55.8375, 84.9678** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **36.4928, 22.3607, 6.3974**, and the grayscale version is **38.3906, 40.3899, 43.9846**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **20.5813, 28.6243, 45.5146** is the 20% darker color. If you saturate the color by 10%, you get **39.2661, 54.2076, 84.7386**, and if you desaturate by 10%, it is **43.0841, 57.7986, 85.2305**.

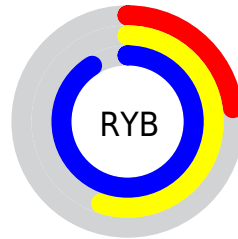
Distribution



Red (23%)

Green (85%)

Blue (91%)



Red (23%)

Yellow (55%)

Blue (91%)

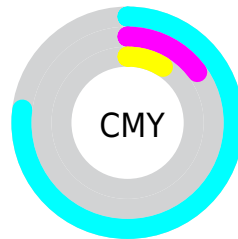


Cyan (75%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (77%)

Magenta (15%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8663, 55.8375, 84.9678 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 40.8663, 55.8375, 84.9678 by changing the saturation by 10% instead.

40.8663, 55.8375,
84.9678

40.8663, 55.8375,
84.9678

340.8336,
409.0788, 531.6633

28.4018, 40.0727,
63.2648

75.7569, 98.7669,
142.2020

18.7708, 27.5952,
45.6131

98.9137, 126.7003,
178.5702

11.6078, 18.0207,
31.5941

126.3654,
159.4587, 220.6638

6.5475, 10.9649,
20.7894

158.4772,
197.4264, 268.9015

3.2246, 6.0432,
12.7804

195.6146,
240.9879, 323.7018

1.2736, 2.8714,
7.1486

238.1429,

0.1633, 1.0650,

290.5275, 385.4832

3.4753

286.4275,
346.4297, 454.6642

■ 0.0000, 0.0000,
1.3422

■ 0.0000, 0.0000,
0.0960

■ 40.8663, 55.8375,
84.9678

■ 40.8663, 55.8375,
84.9678

■ 39.2661, 54.2076,
84.7386

■ 43.0841, 57.7986,
85.2305


■ 38.1897, 52.8571,
84.5346


■ 45.9868, 60.1222,
85.5260


■ 37.7778, 52.2504,
84.4393


■ 49.6382, 62.8424,
85.8586


■ 54.0936, 65.9878,
86.2309

 59.4031, 69.5841,
86.6452

 65.6125, 73.6550,
87.1037

 72.7644, 78.2226,
87.6084

 80.8987, 83.3075,
88.1611

 85.5720, 86.6190,
88.5540

Harmonies

Analogous

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



39.2261, 55.8375, 60.4224



40.8663, 55.8375, 84.9678



45.6978, 55.8375, 106.7764

Triad

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



40.8663, 55.8375, 84.9678



67.3398, 55.8375, 85.7843



53.2032, 55.8375, 26.7262

Complementary

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



40.8663, 55.8375, 84.9678



36.4928, 22.3607, 6.3974

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.



61.1994, 55.8375, 30.3750



40.8663, 55.8375, 84.9678



69.8436, 55.8375, 61.1742

Square

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



40.8663, 55.8375, 84.9678



60.9497, 55.8375, 107.3246



67.4937, 55.8375, 41.7097



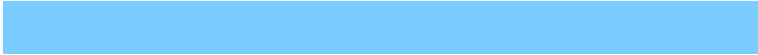
45.9039, 55.8375, 30.1389

Rectangle

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



40.8663, 55.8375, 84.9678



50.3406, 55.8375, 114.7010



67.4937, 55.8375, 41.7097



55.9002, 55.8375, 27.1501

Sweetspot

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



40.8680, 55.8396, 84.9692



75.7131, 87.6212, 107.5298



31.7892, 59.0886, 15.9486



15.7799, 18.4724, 22.9838



0.0000, 0.0000, 0.0000



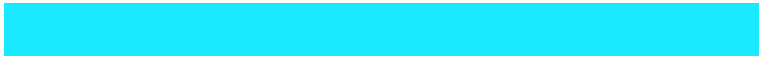
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8680, 55.8396, 84.9692



47.8570, 66.2203, 104.8672



24.3618, 22.8270, 79.4671



14.6882, 16.0978, 18.4774



21.0218, 29.1057, 46.8932



1.5867, 2.2174, 3.4763

Inverse Universe

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



47.1880, 25.1415, 67.3336



56.4350, 27.9114, 80.1776



46.5286, 42.4324, 9.7427



14.9350, 14.5912, 17.8579



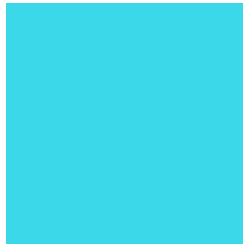
25.0044, 12.1360, 35.2475



1.8645, 0.9035, 2.6931

Previews

White Background



This preview shows how the XYZ color 40.8663, 55.8375, 84.9678 looks on a white background.

Color Contrast Check

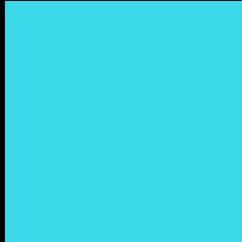
Large Text (above 18pt) WCAG AA × Fail

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 40.8663, 55.8375, 84.9678 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 40.8663, 55.8375, 84.9678

Background



This preview shows how black text looks on a background with the XYZ color 40.8663, 55.8375, 84.9678.

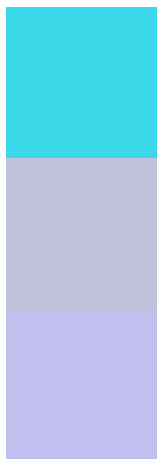


This preview shows how white text looks on a background with the XYZ color 40.8663, 55.8375,

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

40.8663, 55.8375, 84.9678

Protanopia

53.6849, 54.8520, 74.0877

Deuteranopia

55.9092, 54.7135, 87.7348



Tritanopia

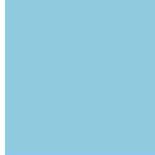
41.0675, 55.9247, 85.7209

Trichromacy



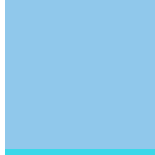
Original Color

40.8663, 55.8375, 84.9678



Protanomaly

45.7675, 53.4084, 77.7087



Deuteranomaly

47.1513, 53.2360, 86.3877



Tritanomaly

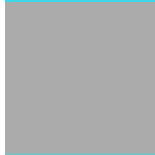
41.0675, 55.9247, 85.7209

Monochromacy



Original Color

40.8663, 55.8375, 84.9678



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.6019, 44.1367, 57.0422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8663, 55.8375, 84.9678 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(58, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(58, 216, 232)  
}
```

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(58, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 216, 232) }
```

Border

The CSS property to change the border of an element to XYZ 40.8663, 55.8375, 84.9678 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(58, 216, 232) }
```


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

```
.border{ border-color:rgb(58, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(58, 216,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8663, 55.8375, 84.9678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 216, 232) }
```

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

```
.background{ background-color: rgb(58, 216,  
232) }
```

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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