

Converting Colors

XYZ(55.6433, 64.5668, 88.1272)

Have a look what the booklet for
XYZ(55.6433, 64.5668, 88.1272)
contains.

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Color

**XYZ(55.6368, 64.5537,
88.1250)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DBEB
RGB	164, 219, 235
RGB Percent	64%, 86%, 92%
CMY	0.3568, 0.1412, 0.0784
CMYK	0.30, 0.07, 0.00, 0.08
HSL	194°, 64%, 78%
HSV	194°, 30%, 92%
XYZ	55.6368, 64.5537, 88.1250
YIQ	204.3790, -37.9160, -6.6840

Conversions

Conversions Part 2

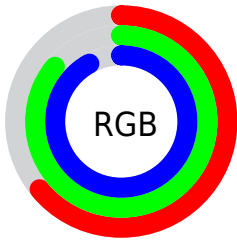
Format	Color
RYB	164, 195, 235
Decimal	10804203
CIELab	84.25, -13.87, -13.53
CIElCh	84, 19.377, 224.302
Yxy	64.5537, 0.2671, 0.3099
Android (android.graphics.Color)	4288994283 (0xFFA4DBEB)
YUV	204.3790, 15.0962, -35.4124
Hunter-Lab	80.3453, -16.9982, -8.7892

Details

The XYZ color **55.6368, 64.5537, 88.1250** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.2840, 52.9858, 42.3317**, and the grayscale version is **57.5605, 60.5581, 65.9478**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **27.8426, 33.1206, 47.5733** is the 20% darker color. If you saturate the color by 10%, you get **49.8688, 59.5635, 87.4669**, and if you desaturate by 10%, it is **62.3487, 70.0989, 88.8427**.

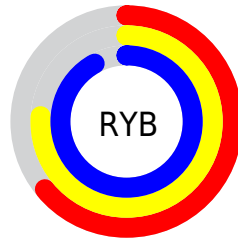
Distribution



Red (64%)

Green (86%)

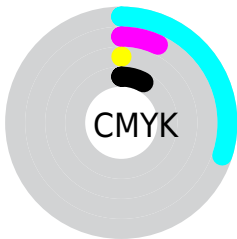
Blue (92%)



Red (64%)

Yellow (76%)

Blue (92%)

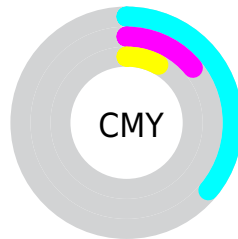


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (14%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6368, 64.5537, 88.1250 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 55.6368, 64.5537, 88.1250 by changing the saturation by 10% instead.

■ 55.6368, 64.5537,
88.1250

■ 55.6368, 64.5537,
88.1250

398.4186,
441.1864, 542.3244

■ 40.1477, 47.0993,
65.8617

■ 97.6162, 111.4080,
146.6438

■ 27.8384, 33.1141,
47.7043

■ 124.8372,
141.5766, 183.7364

■ 18.3437, 22.2139,
33.2345

156.6996,
176.7521, 226.6092

■ 11.2982, 14.0142,
22.0336

193.5686,
217.3189, 275.6807

■ 6.3366, 8.1305,
13.6830

235.8096,
263.6613, 331.3694

■ 3.0934, 4.1786,
7.7643

283.7881,

■ 1.2033, 1.7739,

316.1638, 394.0939

3.8589

337.8693,
375.2107, 464.2727

■ 0.1090, 0.4709,
1.5483

■ 0.0000, 0.0000,
0.2535

■ 55.6368, 64.5537,
88.1250

■ 55.6368, 64.5537,
88.1250

■ 49.8688, 59.5635,
87.4669

■ 62.3487, 70.0989,
88.8427

■ 44.9891, 55.0942,
86.8614

■ 70.0447, 76.2157,
89.6177

■ 40.9449, 51.1197,
86.3074

■ 78.7697, 82.9294,
90.4537

■ 37.6754, 47.6080,
85.8019

■ 87.4500, 89.6871,
91.3006

■ 35.1110, 44.5226,
85.3415

■ 89.0333, 92.8536,
91.8283

■ 33.1689, 41.8202,
84.9223

■ 90.6624, 96.1119,
92.3714

■ 31.7339, 39.4748,
84.5452

■ 91.9956, 98.7782,
92.8158

Harmonies

Analogous

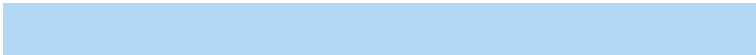
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.7007, 64.5537, 76.2910



55.6368, 64.5537, 88.1250



59.1501, 64.5537, 95.5897

Triad

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



55.6368, 64.5537, 88.1250



69.6505, 64.5537, 76.8797



59.3398, 64.5537, 49.7800

Complementary

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



55.6368, 64.5537, 88.1250



57.2840, 52.9858, 42.3317

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.



63.6168, 64.5537, 49.8984



55.6368, 64.5537, 88.1250



69.7071, 64.5537, 64.6085

Square

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



55.6368, 64.5537, 88.1250



67.3038, 64.5537, 88.5991



67.4550, 64.5537, 55.0365



55.7700, 64.5537, 54.6915

Rectangle

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



55.6368, 64.5537, 88.1250



61.9777, 64.5537, 96.5936



67.4550, 64.5537, 55.0365



60.7392, 64.5537, 49.2527

Sweetspot

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



55.6387, 64.5563, 88.1265



85.4774, 92.6491, 107.9857



53.1951, 70.5807, 53.6728



17.9851, 19.5883, 23.0830



0.0000, 0.0000, 0.0000



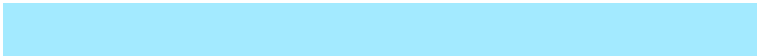
20.3446, 21.4041, 23.3091

Same Dimension

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



55.6387, 64.5563, 88.1265



62.7079, 74.0531, 105.5964



47.4715, 48.2218, 85.4041



15.2131, 16.5127, 19.3077



17.7611, 22.1691, 47.0859



1.4651, 1.8817, 3.7209

Inverse Universe

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



60.3242, 49.3293, 73.3627



69.2694, 53.4841, 84.7523



65.2338, 68.8854, 44.9817



15.5611, 15.2523, 18.2402



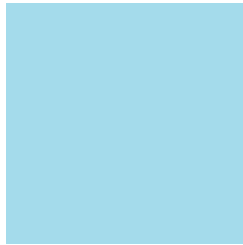
23.8203, 11.7308, 25.9186



1.9060, 0.9354, 2.2225

Previews

White Background



This preview shows how the XYZ color 55.6368, 64.5537, 88.1250 looks on a white background.

Color Contrast Check

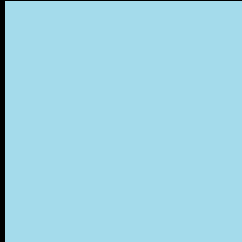
Large Text (above 18pt) WCAG AA × Fail

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 55.6368, 64.5537, 88.1250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

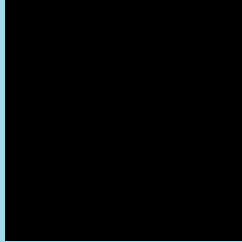
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6368, 64.5537, 88.1250

Background



This preview shows how black text looks on a background with the XYZ color 55.6368, 64.5537, 88.1250.

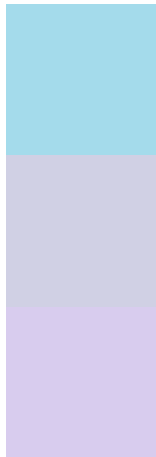


This preview shows how white text looks on a background with the XYZ color 55.6368, 64.5537,

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

55.6368, 64.5537, 88.1250

Protanopia

62.5719, 64.1231, 82.4779

Deuteranopia

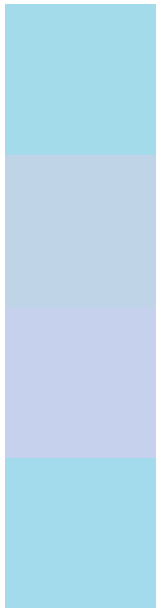
65.3444, 63.9577, 89.7900



Tritanopia

55.7817, 64.6117, 88.8882

Trichromacy



Original Color

55.6368, 64.5537, 88.1250

Protanomaly

59.7055, 64.0630, 84.8199

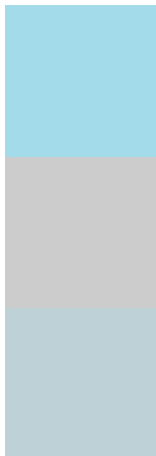
Deuteranomaly

61.1125, 63.5857, 89.1731

Tritanomaly

55.7817, 64.6117, 88.8882

Monochromacy



Original Color

55.6368, 64.5537, 88.1250

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.0525, 61.3260, 73.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6368, 64.5537, 88.1250 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(164, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 219, 235)  
}
```

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(164, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 219, 235) }
```

Border

The CSS property to change the border of an element to XYZ 55.6368, 64.5537, 88.1250 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(164, 219, 235) }
```


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

```
.border{ border-color:rgb(164, 219, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 219, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 219,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6368, 64.5537, 88.1250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 219, 235) }
```

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

```
.background{ background-color: rgb(164,  
219, 235) }
```

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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