

Converting Colors

XYZ(56.8377, 64.3592, 90.1823)

Have a look what the booklet for
XYZ(56.8377, 64.3592, 90.1823)
contains.

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Color

**XYZ(56.8230, 64.3448,
90.3138)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD9EE
RGB	170, 217, 238
RGB Percent	67%, 85%, 93%
CMY	0.3333, 0.1490, 0.0667
CMYK	0.29, 0.09, 0.00, 0.07
HSL	199°, 67%, 80%
HSV	199°, 29%, 93%
XYZ	56.8230, 64.3448, 90.3138
YIQ	205.3410, -34.7530, -3.4330

Conversions

Conversions Part 2

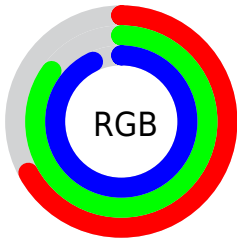
Format	Color
RYB	170, 198, 238
Decimal	11196910
CIELab	84.14, -10.45, -15.25
CIELCh	84, 18.488, 235.583
Yxy	64.3448, 0.2687, 0.3043
Android (android.graphics.Color)	4289386990 (0xFFAAD9EE)
YUV	205.3410, 16.1009, -30.9941
Hunter-Lab	80.2152, -13.9305, -10.6036

Details

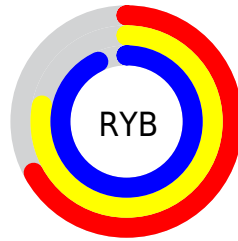
The XYZ color **56.8230, 64.3448, 90.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.1472, 58.3414, 46.0699**, and the grayscale version is **58.1635, 61.1925, 66.6386**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **28.5663, 32.9311, 49.1067** is the 20% darker color. If you saturate the color by 10%, you get **50.2845, 58.2257, 89.4784**, and if you desaturate by 10%, it is **64.3812, 71.1179, 91.2239**.

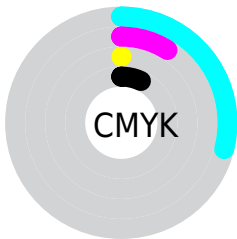
Distribution



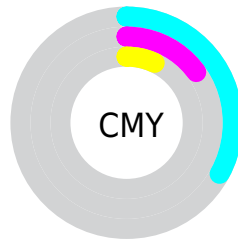
- Red (67%)
- Green (85%)
- Blue (93%)



- Red (67%)
- Yellow (78%)
- Blue (93%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8230, 64.3448, 90.3138 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 56.8230, 64.3448, 90.3138 by changing the saturation by 10% instead.

■ 56.8230, 64.3448,
90.3138

■ 56.8230, 64.3448,
90.3138

402.8106,
440.4337, 549.6475

■ 41.1027, 46.9300,
67.6658

■ 99.3397, 111.1074,
149.7135

■ 28.5874, 32.9803,
49.1609

126.8669,
141.2239, 187.3023

■ 18.9116, 22.1114,
34.3806

159.0604,
176.3431, 230.7084

■ 11.7101, 13.9388,
22.9064

196.2856,
216.8495, 280.3503

■ 6.6174, 8.0781,
14.3198

238.9079,
263.1273, 336.6467

■ 3.2682, 4.1450,
8.2021

287.2926,

■ 1.2971, 1.7550,

315.5610, 400.0160

4.1349

341.8051,
374.5350, 470.8767

■ 0.1811, 0.4589,
1.6997

■ 0.0000, 0.0000,
0.3605

■ 56.8230, 64.3448,
90.3138

■ 56.8230, 64.3448,
90.3138

■ 50.2845, 58.2257,
89.4784

■ 64.3812, 71.1179,
91.2239

■ 44.7083, 52.7248,
88.7105

■ 73.0007, 78.5634,
92.2067

■ 40.0404, 47.8142,
88.0087

■ 82.7280, 86.7084,
93.2661

■ 36.2185, 43.4599,
87.3697

■ 89.7507, 93.5889,
94.2241

■ 33.1716, 39.6238,
86.7898

■ 92.0355, 98.1584,
94.9857

■ 30.8163, 36.2611,
86.2649

■ 92.4328, 98.9531,
95.1181

■ 29.0317, 33.3077,
85.7889

■ 28.7996, 32.9066,
85.7237

Harmonies

Analogous

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



54.3405, 64.3448, 80.2347



56.8230, 64.3448, 90.3138



60.5546, 64.3448, 94.9790

Triad

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



56.8230, 64.3448, 90.3138



69.3318, 64.3448, 71.8081



57.8270, 64.3448, 51.6594

Complementary

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



56.8230, 64.3448, 90.3138



61.1472, 58.3414, 46.0699

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.



61.7650, 64.3448, 49.9328



56.8230, 64.3448, 90.3138



68.5227, 64.3448, 60.7851

Square

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



56.8230, 64.3448, 90.3138



67.8719, 64.3448, 83.5659



65.7076, 64.3448, 53.0870



54.9017, 64.3448, 58.0948

Rectangle

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



56.8230, 64.3448, 90.3138



63.2931, 64.3448, 94.0507



65.7076, 64.3448, 53.0870



59.0711, 64.3448, 50.5419

Sweetspot

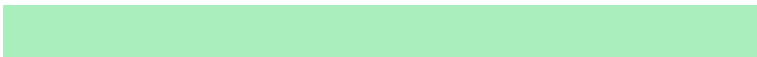
The Sweet Spot groups the original color and five complimentary colors.



56.8250, 64.3474, 90.3153



84.8857, 91.4657, 107.7884



56.4915, 73.4316, 60.1425



17.8387, 19.2956, 23.0342



0.0000, 0.0000, 0.0000



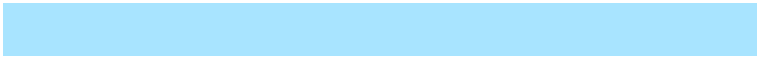
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8250, 64.3474, 90.3153



62.0686, 71.1901, 105.0774



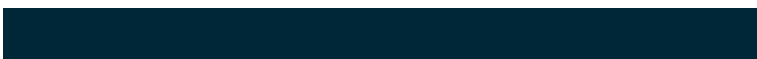
49.0691, 48.8356, 87.7300



15.8116, 17.0573, 20.1806



16.1871, 18.5985, 47.8646



1.4345, 1.7229, 4.0112

Inverse Universe

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



62.1606, 51.9379, 72.3973



69.3333, 54.9903, 80.5247



69.2801, 74.6073, 48.7809



16.2343, 15.9434, 18.7903



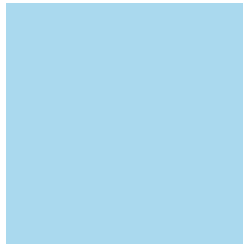
23.4961, 11.6709, 21.0610



1.9990, 0.9886, 1.9856

Previews

White Background



This preview shows how the XYZ color 56.8230, 64.3448, 90.3138 looks on a white background.

Color Contrast Check

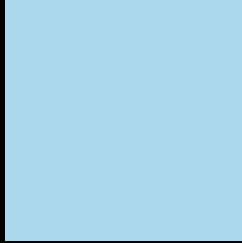
Large Text (above 18pt) WCAG AA × Fail

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 56.8230, 64.3448, 90.3138 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 56.8230, 64.3448, 90.3138

Background



This preview shows how black text looks on a background with the XYZ color 56.8230, 64.3448, 90.3138.



This preview shows how white text looks on a background with the XYZ color 56.8230, 64.3448,

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

56.8230, 64.3448, 90.3138

Protanopia

62.5750, 64.0598, 85.4106

Deuteranopia

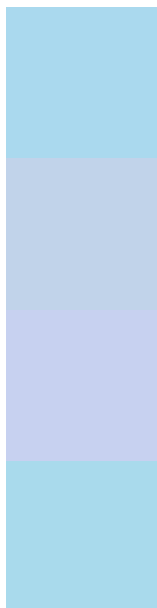
65.4944, 63.9837, 92.1172



Tritanopia

56.4290, 64.5760, 88.0875

Trichromacy



Original Color

56.8230, 64.3448, 90.3138

Protanomaly

60.1379, 63.8665, 86.9998

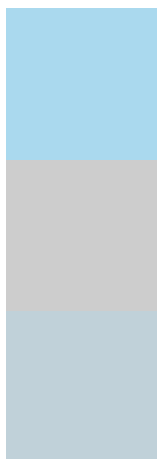
Deuteranomaly

62.0818, 64.0343, 91.5259

Tritanomaly

56.5739, 64.6340, 88.8507

Monochromacy



Original Color

56.8230, 64.3448, 90.3138

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.0631, 61.8172, 74.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8230, 64.3448, 90.3138 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(170, 217, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 217, 238)  
}
```

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(170, 217, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 217, 238) }
```

Border

The CSS property to change the border of an element to XYZ 56.8230, 64.3448, 90.3138 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(170, 217, 238) }
```


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

```
.border{ border-color:rgb(170, 217, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 217, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 217, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 217, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 217,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8230, 64.3448, 90.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 217, 238) }
```

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

```
.background{ background-color: rgb(170,  
217, 238) }
```

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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