

Converting Colors

XYZ(56.3904, 63.4501, 89.9023)

Have a look what the booklet for
XYZ(56.3904, 63.4501, 89.9023)
contains.

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Color

**XYZ(56.3106, 63.3200,
90.1430)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD7EE
RGB	170, 215, 238
RGB Percent	67%, 84%, 93%
CMY	0.3333, 0.1568, 0.0667
CMYK	0.29, 0.10, 0.00, 0.07
HSL	200°, 67%, 80%
HSV	200°, 29%, 93%
XYZ	56.3106, 63.3200, 90.1430
YIQ	204.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

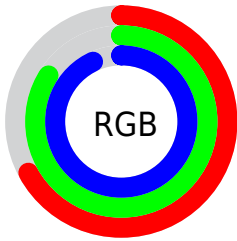
Format	Color
R _{YB}	170, 197, 238
Decimal	11196398
CIE Lab	83.61, -9.42, -16.05
CIE LCh	84, 18.612, 239.609
Yxy	63.3200, 0.2684, 0.3018
Android (android.graphics.Color)	4289386478 (0xFFAAD7EE)
YUV	204.1670, 16.6797, -29.9645
Hunter-Lab	79.5739, -12.9384, -11.4633

Details

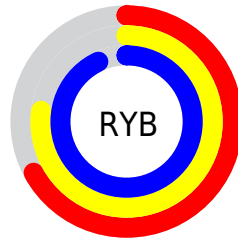
The XYZ color **56.3106, 63.3200, 90.1430** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.5863, 59.2197, 46.2163**, and the grayscale version is **57.4150, 60.4050, 65.7811**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **28.2168, 32.2320, 48.9902** is the 20% darker color. If you saturate the color by 10%, you get **49.6249, 56.9066, 89.2585**, and if you desaturate by 10%, it is **64.0324, 70.4203, 91.1076**.

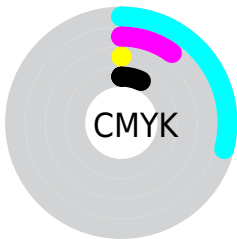
Distribution



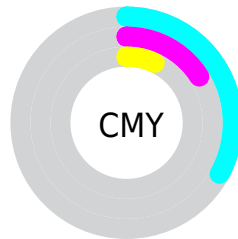
- Red (67%)
- Green (84%)
- Blue (93%)



- Red (67%)
- Yellow (77%)
- Blue (93%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3106, 63.3200, 90.1430 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 56.3106, 63.3200, 90.1430 by changing the saturation by 10% instead.

■ 56.3106, 63.3200,
90.1430

■ 56.3106, 63.3200,
90.1430

400.9170,
436.7299, 549.0780

■ 40.6900, 46.1001,
67.5249

■ 98.5957, 109.6310,
149.4743

■ 28.2635, 32.3248,
49.0470

125.9910,
139.4910, 187.0245

■ 18.6659, 21.6097,
34.2909

158.0418,
174.3331, 230.3891

■ 11.5317, 13.5704,
22.8380

195.1135,
214.5418, 279.9868

■ 6.4956, 7.8225,
14.2698

237.5716,
260.5014, 336.2360

■ 3.1922, 3.9816,
8.1676

285.7813,

■ 1.2562, 1.6633,

312.5964, 399.5552

4.1131

340.1080,
371.2111, 470.3630

■ 0.1501, 0.3997,
1.6876

■ 0.0000, 0.0000,
0.3522

■ 56.3106, 63.3200,
90.1430

■ 56.3106, 63.3200,
90.1430

■ 49.6249, 56.9066,
89.2585

■ 64.0324, 70.4203,
91.1076

■ 43.9177, 51.1436,
88.4470

■ 72.8324, 78.2268,
92.1506

■ 39.1346, 46.0025,
87.7067

■ 82.7573, 86.7670,
93.2759

■ 35.2128, 41.4485,
87.0344

■ 89.9951, 94.0778,
94.3055

■ 32.0811, 37.4428,
86.4263

■ 92.4328, 98.9531,
95.1181

■ 29.6556, 33.9398,
85.8780

■ 27.8151, 30.8744,
85.3833

■ 27.5761, 30.4597,
85.3159

Harmonies

Analogous

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



53.6325, 63.3200, 80.6229



56.3106, 63.3200, 90.1430



60.1304, 63.3200, 93.8753

Triad

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



56.3106, 63.3200, 90.1430



68.3542, 63.3200, 69.0976



56.3991, 63.3200, 51.2357

Complementary

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



56.3106, 63.3200, 90.1430



61.5863, 59.2197, 46.2163

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.



60.2371, 63.3200, 48.8720



56.3106, 63.3200, 90.1430



67.2479, 63.3200, 58.4525

Square

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



56.3106, 63.3200, 90.1430



67.1904, 63.3200, 80.9170



64.2306, 63.3200, 51.3612



53.6820, 63.3200, 58.2157

Rectangle

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



56.3106, 63.3200, 90.1430



62.8488, 63.3200, 92.2879



64.2306, 63.3200, 51.3612



57.5952, 63.3200, 49.9124

Sweetspot

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



56.3125, 63.3225, 90.1445



84.6786, 91.0515, 107.7194



56.7419, 73.5317, 61.4612



17.7876, 19.1933, 23.0171



0.0000, 0.0000, 0.0000



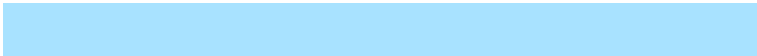
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3125, 63.3225, 90.1445



61.3713, 69.7955, 104.8450



48.6033, 47.9041, 87.5747



15.7710, 16.9761, 20.1671



15.5089, 17.2421, 47.6385



1.3818, 1.6176, 3.9936

Inverse Universe

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



61.9019, 51.8345, 71.0353



68.9814, 54.8495, 78.6713



69.8948, 75.8367, 48.9858



16.2138, 15.9352, 18.6823



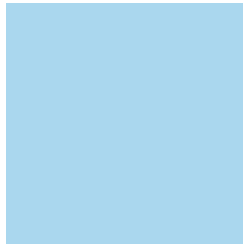
23.1538, 11.5339, 19.2583



1.9724, 0.9780, 1.8455

Previews

White Background



This preview shows how the XYZ color 56.3106, 63.3200, 90.1430 looks on a white background.

Color Contrast Check

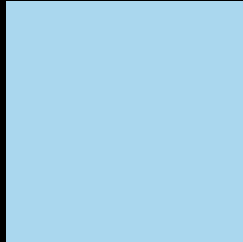
Large Text (above 18pt) WCAG AA × Fail

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 56.3106, 63.3200, 90.1430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

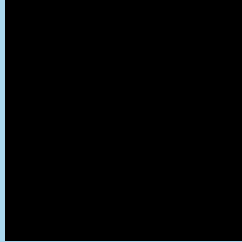
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3106, 63.3200, 90.1430

Background



This preview shows how black text looks on a background with the XYZ color 56.3106, 63.3200, 90.1430.

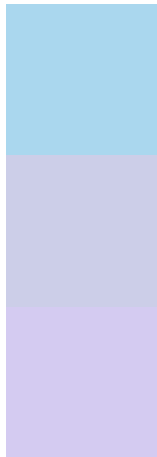


This preview shows how white text looks on a background with the XYZ color 56.3106, 63.3200,

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

56.3106, 63.3200, 90.1430

Protanopia

61.5386, 62.8062, 85.2233

Deuteranopia

64.3845, 63.0598, 91.9974



Tritanopia

55.6260, 63.4299, 86.4022

Trichromacy



Original Color

56.3106, 63.3200, 90.1430

Protanomaly

59.3900, 62.7479, 86.8233

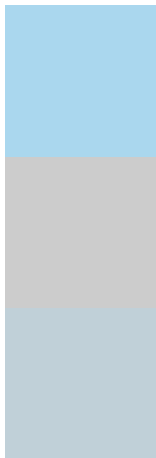
Deuteranomaly

61.0670, 62.7872, 91.3386

Tritanomaly

55.9134, 63.5449, 87.9157

Monochromacy



Original Color

56.3106, 63.3200, 90.1430

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.6888, 61.2761, 73.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3106, 63.3200, 90.1430 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, 215, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 215, 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, 215, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 215, 238) }
```

Border

The CSS property to change the border of an element to XYZ 56.3106, 63.3200, 90.1430 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, 215, 238) }
```


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

```
.border{ border-color:rgb(170, 215, 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, 215, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 215, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 215, 238); box-shadow:4px 4px 4px 4px rgb(170, 215, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3106, 63.3200, 90.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 215, 238) }
```

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

```
.background{ background-color: rgb(170,  
215, 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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