

Converting Colors

XYZ(50.4066, 56.1926, 72.1034)

Have a look what the booklet for
XYZ(50.4066, 56.1926, 72.1034)
contains.

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Color

**XYZ(50.5068, 56.3376,
71.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCBD6
RGB	172, 203, 214
RGB Percent	67%, 80%, 84%
CMY	0.3255, 0.2039, 0.1608
CMYK	0.20, 0.05, 0.00, 0.16
HSL	196°, 34%, 76%
HSV	196°, 20%, 84%
XYZ	50.5068, 56.3376, 71.8306
YIQ	194.9850, -22.0070, -3.1510

Conversions

Conversions Part 2

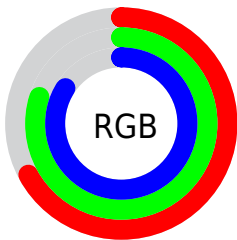
Format	Color
R _{YB}	172, 190, 214
Decimal	11324374
CIE Lab	79.81, -7.97, -8.92
CIE LCh	80, 11.964, 228.236
Yxy	56.3376, 0.2827, 0.3153
Android (android.graphics.Color)	4289514454 (0xFFACCBD6)
YUV	194.9850, 9.3744, -20.1578
Hunter-Lab	75.0584, -11.2395, -4.1995

Details

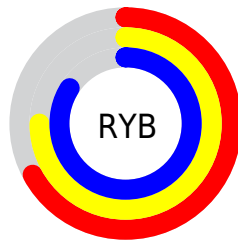
The XYZ color **50.5068, 56.3376, 71.8306** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1119, 51.1417, 46.1556**, and the grayscale version is **51.8195, 54.5182, 59.3703**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.6132, 27.9200, 36.8927** is the 20% darker color. If you saturate the color by 10%, you get **44.8839, 51.5112, 71.1963**, and if you desaturate by 10%, it is **56.9371, 61.6542, 72.5188**.

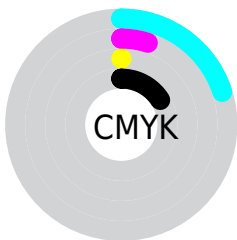
Distribution



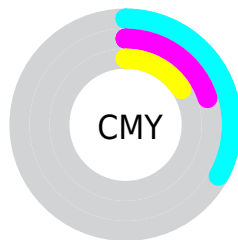
- Red (67%)
- Green (80%)
- Blue (84%)



- Red (67%)
- Yellow (75%)
- Blue (84%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5068, 56.3376, 71.8306 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 50.5068, 56.3376, 71.8306 by changing the saturation by 10% instead.

■ 50.5068, 56.3376,
71.8306

■ 50.5068, 56.3376,
71.8306

379.0639,
410.9625, 485.9134

■ 36.0357, 40.4737,
52.5343

■ 90.1127, 99.4980,
123.5211

■ 24.6320, 27.9080,
37.0460

115.9781,
127.5633, 156.7525

■ 15.9304, 18.2564,
24.9470

146.3724,
160.4644, 195.4659

■ 9.5654, 11.1342,
15.8189

181.6609,
198.5859, 240.0800

■ 5.1718, 6.1572,
9.2431

222.2089,
242.3120, 291.0132

■ 2.3842, 2.9409,
4.8011

268.3819,

■ 0.8372, 1.1009,

292.0273, 348.6842

2.0744

320.5451,
348.1160, 413.5114

■ 0.0000, 0.0000,
0.6005

■ 0.0000, 0.0000,
0.0000

■ 50.5068, 56.3376,
71.8306

■ 50.5068, 56.3376,
71.8306

■ 44.8839, 51.5112,
71.1963

■ 56.9371, 61.6542,
72.5188

■ 40.0269, 47.1484,
70.6102

■ 64.2042, 67.4724,
73.2588

■ 35.8978, 43.2304,
70.0716

■ 72.3417, 73.8118,
74.0535

■ 32.4533, 39.7341,
69.5782

■ 80.4161, 80.1918,
74.8594

■ 29.6453, 36.6339,
69.1278

■ 81.9597, 83.2790,
75.3740

■ 27.4189, 33.9007,
68.7176

■ 83.5535, 86.4665,
75.9052

■ 25.7093, 31.5003,
68.3444

■ 85.1979, 89.7554,
76.4534

■ 24.4048, 29.3743,
68.0028

■ 86.8935, 93.1465,
77.0186

■ 24.3590, 29.2976,
67.9904

■ 88.6406, 96.6408,
77.6009

Harmonies

Analogous

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



49.2475, 56.3376, 65.6083



50.5068, 56.3376, 71.8306



52.6039, 56.3376, 75.3378

Triad

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



50.5068, 56.3376, 71.8306



58.2339, 56.3376, 64.0998



52.1040, 56.3376, 49.5337

Complementary

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



50.5068, 56.3376, 71.8306



52.1119, 51.1417, 46.1556

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.



54.5017, 56.3376, 49.1968



50.5068, 56.3376, 71.8306



58.0902, 56.3376, 57.2649

Square

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



50.5068, 56.3376, 71.8306



57.0941, 56.3376, 70.6549



56.7072, 56.3376, 51.9277



50.1503, 56.3376, 52.8858

Rectangle

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



50.5068, 56.3376, 71.8306



54.2167, 56.3376, 75.5014



56.7072, 56.3376, 51.9277



52.8833, 56.3376, 49.0739

Sweetspot

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



50.5085, 56.3399, 71.8319



88.3787, 94.6833, 108.2254



49.5562, 60.2629, 53.5485



18.7673, 20.1459, 23.1493



0.0000, 0.0000, 0.0000



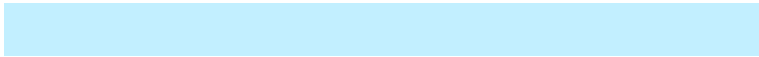
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5085, 56.3399, 71.8319



71.1061, 80.3814, 106.3752



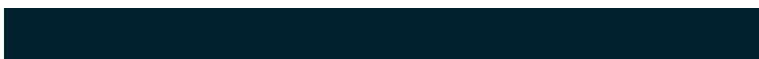
45.9825, 47.2879, 70.3232



12.5042, 13.5319, 15.8904



14.8119, 17.8855, 41.1247



0.9590, 1.2100, 2.5023

Inverse Universe

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



53.2649, 48.1142, 62.9822



76.0636, 65.9851, 90.3696



56.6532, 60.2242, 47.6693



12.8077, 12.5746, 14.9277



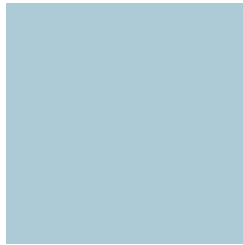
20.5352, 10.1504, 20.6543



1.2717, 0.6255, 1.4201

Previews

White Background



This preview shows how the XYZ color 50.5068, 56.3376, 71.8306 looks on a white background.

Color Contrast Check

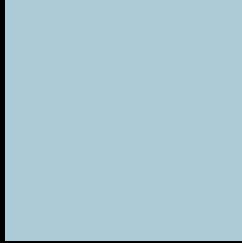
Large Text (above 18pt) WCAG AA × Fail

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 50.5068, 56.3376, 71.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

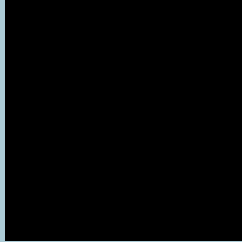
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5068, 56.3376, 71.8306

Background



This preview shows how black text looks on a background with the XYZ color 50.5068, 56.3376, 71.8306.



This preview shows how white text looks on a background with the XYZ color 50.5068, 56.3376,

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

50.5068, 56.3376, 71.8306

Protanopia

54.3987, 56.0033, 68.9154

Deuteranopia

57.2567, 56.0670, 72.7700



Tritanopia

51.0090, 56.1873, 74.4864

Trichromacy



Original Color

50.5068, 56.3376, 71.8306

Protanomaly

52.9203, 56.2414, 69.6945

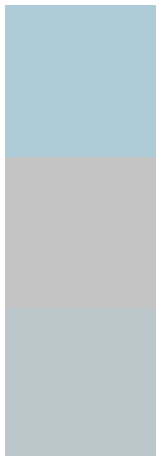
Deuteranomaly

54.5113, 55.9883, 72.2237

Tritanomaly

50.8785, 56.1351, 73.7992

Monochromacy



Original Color

50.5068, 56.3376, 71.8306

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.3483, 55.2172, 63.8288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5068, 56.3376, 71.8306 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(172, 203, 214)` looks like.

```
.text, #text, p{  
    color:rgb(172, 203, 214)  
}
```

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(172, 203, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 203, 214) }
```

Border

The CSS property to change the border of an element to XYZ 50.5068, 56.3376, 71.8306 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(172, 203, 214) }
```


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

```
.border{ border-color:rgb(172, 203, 214) }
```

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

Here you see how a box with a 4 pixel rgb(172, 203, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 203, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 203, 214);  
box-shadow:4px 4px 4px 4px rgb(172, 203,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5068, 56.3376, 71.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 203, 214) }
```

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

```
.background{ background-color: rgb(172,  
203, 214) }
```

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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