

Converting Colors

XYZ(56.2049, 68.2878, 72.4061)

Have a look what the booklet for
XYZ(56.2049, 68.2878, 72.4061)
contains.

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Color

**XYZ(56.3660, 68.4623,
72.5311)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE3D4
RGB	172, 227, 212
RGB Percent	67%, 89%, 83%
CMY	0.3255, 0.1098, 0.1686
CMYK	0.24, 0.00, 0.07, 0.11
HSL	164°, 50%, 78%
HSV	164°, 24%, 89%
XYZ	56.3660, 68.4623, 72.5311
YIQ	208.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

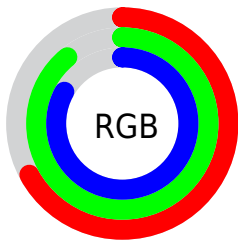
Format	Color
RYB	172, 204, 227
Decimal	11330516
CIELab	86.24, -20.60, 1.60
CIELCh	86, 20.662, 175.556
Yxy	68.4623, 0.2856, 0.3469
Android (android.graphics.Color)	4289520596 (0xFFACE3D4)
YUV	208.8450, 1.5554, -32.3131
Hunter-Lab	82.7419, -23.1995, 5.9461

Details

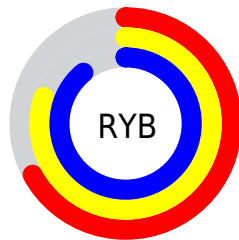
The XYZ color **56.3660, 68.4623, 72.5311** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4031, 49.4256, 53.6366**, and the grayscale version is **60.5081, 63.6592, 69.3249**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.1199, 35.4117, 37.2514** is the 20% darker color. If you saturate the color by 10%, you get **51.0373, 65.8056, 68.2832**, and if you desaturate by 10%, it is **62.5795, 71.5753, 76.9797**.

Distribution



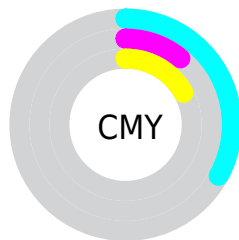
- Red (67%)
- Green (89%)
- Blue (83%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (33%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3660, 68.4623, 72.5311 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 56.3660, 68.4623, 72.5311 by changing the saturation by 10% instead.

■ 56.3660, 68.4623,
72.5311

■ 56.3660, 68.4623,
72.5311

401.1220,
455.1322, 488.4152

■ 40.7346, 50.2739,
53.1032

■ 98.6762, 117.0133,
124.5261

■ 28.2985, 35.6311,
37.4968

126.0857,
148.1446, 157.9301

■ 18.6924, 24.1494,
25.2936

158.1520,
184.3591, 196.8300

■ 11.5509, 15.4445,
16.0749

195.2404,
226.0411, 241.6442

■ 6.5087, 9.1319,
9.4223

237.7162,
273.5750, 292.7913

■ 3.2004, 4.8273,
4.9171

285.9449,

■ 1.2606, 2.1463,

327.3453, 350.6898

2.1408

340.2917,
387.7362, 415.7583

■ 0.1534, 0.6905,
0.6399

■ 0.0000, 0.0000,
0.0000

■ 56.3660, 68.4623,
72.5311

■ 56.3660, 68.4623,
72.5311

■ 51.0373, 65.8056,
68.2832

■ 62.5795, 71.5753,
76.9797

■ 46.5441, 63.5744,
64.2276

■ 69.7125, 75.1570,
81.6280

■ 42.8410, 61.7471,
60.3619

■ 77.8049, 79.2297,
86.4810

■ 39.8756, 60.2967,
56.6818

■ 83.9627, 82.3016,
91.4048

■ 37.5893, 59.1932,
53.1829

■ 84.8822, 82.6694,
96.2465

■ 35.9140, 58.4014,
49.8599

■ 85.8332, 83.0498,
101.2544

■ 34.7671, 57.8787,
46.7073

■ 86.7603, 83.4207,
106.1368

■ 34.2696, 57.6604,
44.9613

Harmonies

Analogous

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



57.8113, 68.4623, 60.6790



56.3660, 68.4623, 72.5311



57.1584, 68.4623, 86.4333

Triad

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



56.3660, 68.4623, 72.5311



69.1002, 68.4623, 100.7810



70.3867, 68.4623, 54.9488

Complementary

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



56.3660, 68.4623, 72.5311



55.4031, 49.4256, 53.6366

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.



73.6829, 68.4623, 63.7979



56.3660, 68.4623, 72.5311



72.9151, 68.4623, 90.3745

Square

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



56.3660, 68.4623, 72.5311



64.3647, 68.4623, 103.8510



74.6298, 68.4623, 76.5934



65.7831, 68.4623, 51.3448

Rectangle

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



56.3660, 68.4623, 72.5311



58.8706, 68.4623, 94.8679



74.6298, 68.4623, 76.5934



71.6930, 68.4623, 57.3519

Sweetspot

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



56.3679, 68.4651, 72.5326



88.0110, 96.4607, 104.5304



55.5542, 68.5582, 49.3358



18.7143, 20.5844, 22.2945



0.0000, 0.0000, 0.0000



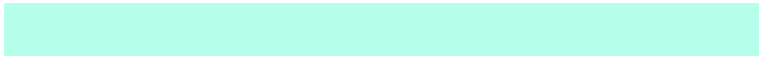
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3679, 68.4651, 72.5326



69.7985, 87.3381, 91.6468



55.2022, 62.9626, 81.9199



14.6309, 16.2658, 17.5870



20.0366, 33.6468, 26.4911



1.5192, 2.5018, 2.1604

Inverse Universe

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



55.4031, 49.4256, 53.6366



68.3427, 58.5555, 63.0952



56.2503, 53.5578, 46.4038



14.5377, 14.4323, 15.7658



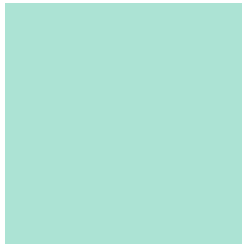
19.0229, 9.7434, 3.7495



1.4439, 0.7353, 0.4781

Previews

White Background



This preview shows how the XYZ color 56.3660, 68.4623, 72.5311 looks on a white background.

Color Contrast Check

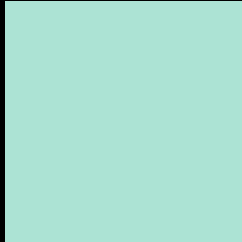
Large Text (above 18pt) WCAG AA × Fail

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 56.3660, 68.4623, 72.5311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

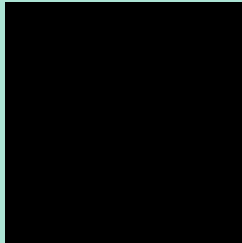
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

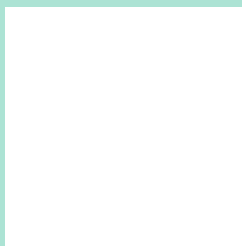
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3660, 68.4623, 72.5311

Background



This preview shows how black text looks on a background with the XYZ color 56.3660, 68.4623, 72.5311.



This preview shows how white text looks on a background with the XYZ color 56.3660, 68.4623,

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

56.3660, 68.4623, 72.5311

Protanopia

64.8848, 67.8731, 67.4386

Deuteranopia

69.2115, 67.7318, 74.3914



Tritanopia

60.6250, 68.5912, 93.2632

Trichromacy



Original Color

56.3660, 68.4623, 72.5311

Protanomaly

61.3453, 67.9136, 69.5499

Deuteranomaly

63.7176, 67.5042, 73.9613

Tritanomaly

58.8431, 68.2546, 84.9360

Monochromacy



Original Color

56.3660, 68.4623, 72.5311

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.9537, 65.5006, 70.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3660, 68.4623, 72.5311 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, 227, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 212)  
}
```

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, 227, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 212) }
```

Border

The CSS property to change the border of an element to XYZ 56.3660, 68.4623, 72.5311 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, 227, 212) }
```


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

```
.border{ border-color:rgb(172, 227, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 227, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 227, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 227, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 227,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3660, 68.4623, 72.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 212) }
```

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

```
.background{ background-color: rgb(172,  
227, 212) }
```

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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