

Converting Colors

XYZ(47.7916, 56.0459, 62.8400)

Have a look what the booklet for
XYZ(47.7916, 56.0459, 62.8400)
contains.

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Color

**XYZ(48.0137, 56.3121,
62.9823)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CEC8
RGB	165, 206, 200
RGB Percent	65%, 81%, 78%
CMY	0.3529, 0.1921, 0.2157
CMYK	0.20, 0.00, 0.03, 0.19
HSL	171°, 29%, 73%
HSV	171°, 20%, 81%
XYZ	48.0137, 56.3121, 62.9823
YIQ	193.0570, -22.5100, -10.5580

Conversions

Conversions Part 2

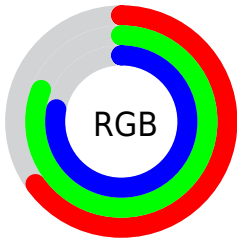
Format	Color
R_{YB}	165, 187, 206
Decimal	10866376
CIE _{Lab}	79.79, -14.68, -1.48
CIE _{LCh}	80, 14.757, 185.772
Yxy	56.3121, 0.2870, 0.3366
Android (android.graphics.Color)	4289056456 (0xFFA5CEC8)
YUV	193.0570, 3.4229, -24.6060
Hunter-Lab	75.0414, -17.1129, 2.7668

Details

The XYZ color **48.0137, 56.3121, 62.9823** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2614, 42.9739, 44.3871**, and the grayscale version is **50.7134, 53.3544, 58.1030**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **23.0986, 27.9765, 31.3767** is the 20% darker color. If you saturate the color by 10%, you get **43.7206, 54.1407, 60.9605**, and if you desaturate by 10%, it is **53.0072, 58.8467, 65.0756**.

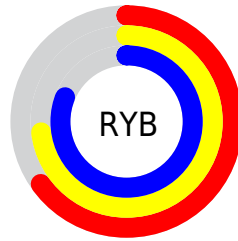
Distribution



Red (65%)

Green (81%)

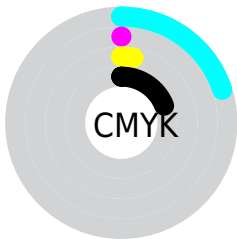
Blue (78%)



Red (65%)

Yellow (73%)

Blue (81%)

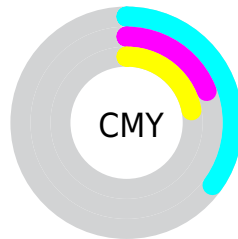


Cyan (20%)

Magenta (0%)

Yellow (3%)

Black (19%)



Cyan (35%)


Magenta (19%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0137, 56.3121, 62.9823 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 48.0137, 56.3121, 62.9823 by changing the saturation by 10% instead.


 48.0137, 56.3121,
62.9823


 48.0137, 56.3121,
62.9823


369.4281,
410.8666, 453.6114

 34.0490, 40.4532,
45.3860


 86.4344, 99.4608,
110.7293

 23.0943, 27.8921,
31.4164


 111.6211,
127.5193, 141.7171

 14.7843, 18.2443,
20.6550


141.2792,
160.4132, 178.0057

 8.7534, 11.1255,
12.6833


175.7741,
198.5268, 220.0138

 4.6365, 6.1513,
7.0827

215.4710,
242.2446, 268.1599

 2.0682, 2.9373,
3.4346

260.7355,

 0.6718, 1.0991,

291.9509, 322.8625

1.3206

311.9327,
348.0301, 384.5402

■ 0.0000, 0.0000,
0.0786

■ 0.0000, 0.0000,
0.0000

■ 48.0137, 56.3121,
62.9823

■ 48.0137, 56.3121,
62.9823

■ 43.7206, 54.1407,
60.9605

■ 53.0072, 58.8467,
65.0756

■ 40.0900, 52.3086,
59.0046

■ 58.7269, 61.7534,
67.2381

■ 37.0878, 50.7997,
57.1140

■ 65.2036, 65.0495,
69.4728

■ 34.6748, 49.5937,
55.2867

■ 72.4646, 68.7491,
71.7811

■ 32.8076, 48.6683,
53.5204

■ 75.5885, 70.3151,
73.9329

■ 31.4366, 47.9978,
51.8126

■ 75.9799, 70.4717,
75.9942

■ 30.5029, 47.5521,
50.1602

■ 76.3786, 70.6312,
78.0932

■ 29.8988, 47.2755,
48.5582

■ 76.7844, 70.7935,
80.2303

■ 29.8935, 47.2731,
48.5429

■ 77.1975, 70.9587,
82.4057

Harmonies

Analogous

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



48.4582, 56.3121, 54.8139



48.0137, 56.3121, 62.9823



49.0004, 56.3121, 71.4329

Triad

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



48.0137, 56.3121, 62.9823



56.9484, 56.3121, 75.6398



55.9127, 56.3121, 47.5140

Complementary

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



48.0137, 56.3121, 62.9823



46.2614, 42.9739, 44.3871

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.



58.3156, 56.3121, 52.1994



48.0137, 56.3121, 62.9823



58.9289, 56.3121, 68.3094

Square

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



48.0137, 56.3121, 62.9823



54.1023, 56.3121, 79.1639



59.4383, 56.3121, 59.6760



52.9478, 56.3121, 46.3723

Rectangle

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



48.0137, 56.3121, 62.9823



50.3593, 56.3121, 75.9325



59.4383, 56.3121, 59.6760



56.8164, 56.3121, 48.7041

Sweetspot

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



48.0153, 56.3144, 62.9836



89.2848, 97.0694, 106.7587



45.6919, 55.5364, 43.9097



18.9820, 20.7115, 22.8014



0.0000, 0.0000, 0.0000



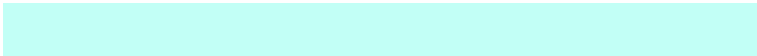
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0153, 56.3144, 62.9836



74.5976, 89.6192, 100.5876



45.4322, 50.0033, 65.6523



11.4699, 12.6977, 14.0319



18.4346, 29.1192, 30.0374



0.9708, 1.5101, 1.6536

Inverse Universe

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



46.2614, 42.9739, 44.3871



71.2382, 64.0550, 64.9591



48.4374, 48.2209, 42.3529



11.2781, 11.2400, 11.9993



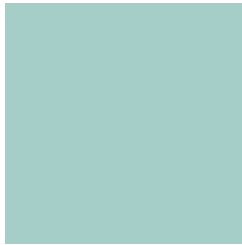
15.8412, 8.1471, 1.6164



0.8393, 0.4291, 0.1994

Previews

White Background



This preview shows how the XYZ color 48.0137, 56.3121, 62.9823 looks on a white background.

Color Contrast Check

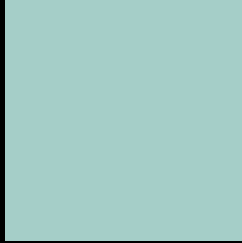
Large Text (above 18pt) WCAG AA × Fail

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 48.0137, 56.3121, 62.9823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

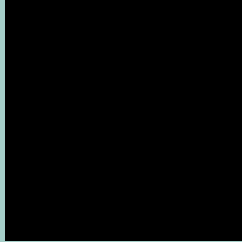
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0137, 56.3121, 62.9823

Background



This preview shows how black text looks on a background with the XYZ color 48.0137, 56.3121, 62.9823.

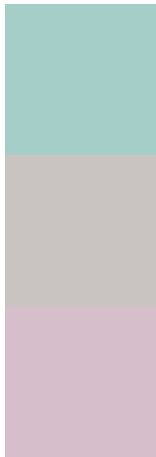


This preview shows how white text looks on a background with the XYZ color 48.0137, 56.3121,

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

48.0137, 56.3121, 62.9823

Protanopia

53.5649, 55.7924, 58.9848

Deuteranopia

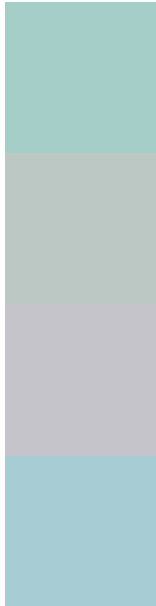
57.1418, 55.8695, 64.2721



Tritanopia

50.5043, 56.2614, 75.2155

Trichromacy



Original Color

48.0137, 56.3121, 62.9823

Protanomaly

51.3571, 55.9854, 60.3240

Deuteranomaly

53.1655, 55.4799, 63.7837

Tritanomaly

49.6250, 56.2640, 70.5319

Monochromacy



Original Color

48.0137, 56.3121, 62.9823

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6863, 54.4410, 60.1140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0137, 56.3121, 62.9823 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(165, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(165, 206, 200)  
}
```

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(165, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.0137, 56.3121, 62.9823 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(165, 206, 200) }
```


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

```
.border{ border-color:rgb(165, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(165, 206,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0137, 56.3121, 62.9823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 200) }
```

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

```
.background{ background-color: rgb(165,  
206, 200) }
```

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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