

Converting Colors

XYZ(50.6019, 57.4238, 72.9938)

Have a look what the booklet for
XYZ(50.6019, 57.4238, 72.9938)
contains.

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Color

**XYZ(50.4855, 57.3737,
72.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CED7
RGB	168, 206, 215
RGB Percent	66%, 81%, 84%
CMY	0.3412, 0.1921, 0.1569
CMYK	0.22, 0.04, 0.00, 0.16
HSL	191°, 37%, 75%
HSV	191°, 22%, 84%
XYZ	50.4855, 57.3737, 72.7033
YIQ	195.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

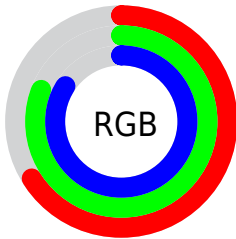
Format	Color
R_{YB}	168, 189, 215
Decimal	11062999
CIE _{Lab}	80.39, -10.54, -8.62
CIE _{LCh}	80, 13.617, 219.271
Yxy	57.3737, 0.2796, 0.3177
Android (android.graphics.Color)	4289253079 (0xFFA8CED7)
YUV	195.6640, 9.5326, -24.2613
Hunter-Lab	75.7454, -13.5815, -3.8870

Details

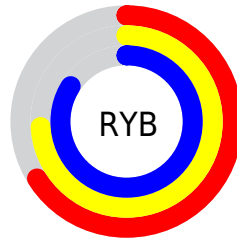
The XYZ color **50.4855, 57.3737, 72.7033** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.8150, 48.7188, 43.7725**, and the grayscale version is **52.2252, 54.9449, 59.8350**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.6436, 28.6394, 37.4868** is the 20% darker color. If you saturate the color by 10%, you get **45.3038, 53.2521, 72.1818**, and if you desaturate by 10%, it is **56.4533, 61.9420, 73.2715**.

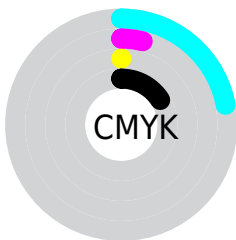
Distribution



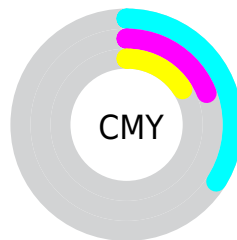
- Red (66%)
- Green (81%)
- Blue (84%)



- Red (66%)
- Yellow (74%)
- Blue (84%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (34%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4855, 57.3737, 72.7033 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 50.4855, 57.3737, 72.7033 by changing the saturation by 10% instead.

■ 50.4855, 57.3737,
72.7033

■ 50.4855, 57.3737,
72.7033

378.9822,
414.8481, 489.0290

■ 36.0187, 41.3053,
53.2430

■ 90.0813, 101.0103,
124.7729

■ 24.6188, 28.5578,
37.6078

■ 115.9411,
129.3473, 158.2194

■ 15.9205, 18.7465,
25.3789

146.3291,
162.5426, 197.1650

■ 9.5584, 11.4873,
16.1380

181.6109,
200.9807, 242.0282

■ 5.1672, 6.3956,
9.4665

222.1518,
245.0459, 293.2278

■ 2.3814, 3.0871,
4.9457

268.3170,

■ 0.8359, 1.1774,

295.1226, 351.1820

2.1573

320.4720,
351.5952, 416.3096

■ 0.0000, 0.0431,
0.6495

■ 0.0000, 0.0000,
0.0000

■ 50.4855, 57.3737,
72.7033

■ 50.4855, 57.3737,
72.7033

■ 45.3038, 53.2521,
72.1818

■ 56.4533, 61.9420,
73.2715

■ 40.8658, 49.5506,
71.7012

■ 63.2370, 66.9683,
73.8841

■ 37.1326, 46.2505,
71.2610

■ 70.8709, 72.4719,
74.5441

■ 34.0598, 43.3284,
70.8590

■ 79.3858, 78.4692,
75.2529

■ 31.5977, 40.7585,
70.4927

■ 80.8613, 80.8770,
75.6399

■ 29.6894, 38.5111,
70.1595

■ 81.9978, 83.1502,
76.0187

■ 28.2664, 36.5506,
69.8561

■ 83.1614, 85.4774,
76.4066

■ 27.3715, 35.1175,
69.6266

■ 84.3523, 87.8592,
76.8036

■ 85.5707, 90.2959,
77.2097

Harmonies

Analogous

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



49.4095, 57.3737, 64.9770



50.4855, 57.3737, 72.7033



52.6561, 57.3737, 77.9608

Triad

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



50.4855, 57.3737, 72.7033



59.7020, 57.3737, 68.0645



53.6727, 57.3737, 48.5074

Complementary

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



50.4855, 57.3737, 72.7033



50.8150, 48.7188, 43.7725

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.



56.4519, 57.3737, 49.1808



50.4855, 57.3737, 72.7033



59.9968, 57.3737, 60.0287

Square

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



50.4855, 57.3737, 72.7033



57.9969, 57.3737, 75.1281



58.7891, 57.3737, 53.2454



51.2079, 57.3737, 51.3204

Rectangle

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



50.4855, 57.3737, 72.7033



54.4638, 57.3737, 79.1173



58.7891, 57.3737, 53.2454



54.6002, 57.3737, 48.3392

Sweetspot

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



50.4872, 57.3760, 72.7046



87.7047, 94.6094, 108.2467



48.3477, 60.0858, 50.4457



18.6430, 20.1543, 23.1575



0.0000, 0.0000, 0.0000



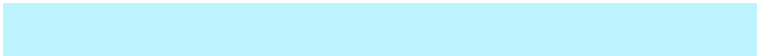
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4872, 57.3760, 72.7046



70.8057, 81.6881, 106.6433



45.3248, 47.0513, 70.9838



12.5808, 13.6849, 15.9159



16.4454, 21.1526, 41.6692



1.0450, 1.3821, 2.5310

Inverse Universe

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



53.1689, 46.9099, 64.6473



75.4464, 63.9556, 92.6151



55.7746, 58.6379, 45.4257



12.8463, 12.5900, 15.1310



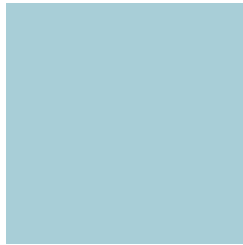
21.3597, 10.4802, 24.9962



1.3151, 0.6428, 1.6489

Previews

White Background



This preview shows how the XYZ color 50.4855, 57.3737, 72.7033 looks on a white background.

Color Contrast Check

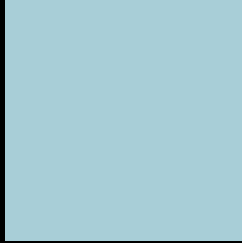
Large Text (above 18pt) WCAG AA × Fail

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 50.4855, 57.3737, 72.7033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

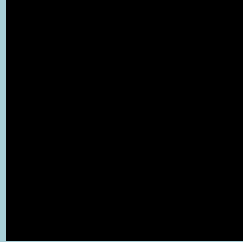
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4855, 57.3737, 72.7033

Background



This preview shows how black text looks on a background with the XYZ color 50.4855, 57.3737, 72.7033.

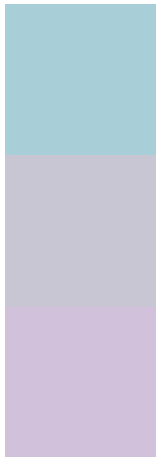


This preview shows how white text looks on a background with the XYZ color 50.4855, 57.3737,

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

50.4855, 57.3737, 72.7033

Protanopia

55.3801, 57.1834, 69.0914

Deuteranopia

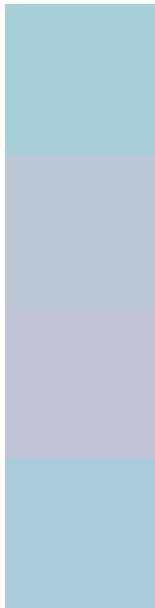
58.3032, 56.9035, 74.2402



Tritanopia

51.2447, 57.3181, 76.7692

Trichromacy



Original Color

50.4855, 57.3737, 72.7033

Protanomaly

53.5093, 57.2181, 70.5113

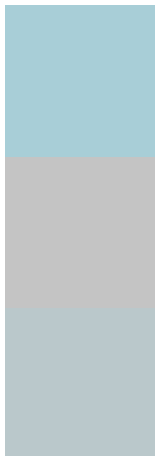
Deuteranomaly

55.2241, 57.0000, 73.7371

Tritanomaly

50.9797, 57.2121, 75.3740

Monochromacy



Original Color

50.4855, 57.3737, 72.7033

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.6835, 56.0595, 64.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4855, 57.3737, 72.7033 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(168, 206, 215)` looks like.

```
.text, #text, p{  
    color:rgb(168, 206, 215)  
}
```

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(168, 206, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 206, 215) }
```

Border

The CSS property to change the border of an element to XYZ 50.4855, 57.3737, 72.7033 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(168, 206, 215) }
```


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

```
.border{ border-color:rgb(168, 206, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 206, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 206, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 206, 215); box-shadow:4px 4px 4px 4px rgb(168, 206, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4855, 57.3737, 72.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 206, 215) }
```

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

```
.background{ background-color: rgb(168,  
206, 215) }
```

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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