

Converting Colors

XYZ(47.5973, 63.3265, 69.0556)

Have a look what the booklet for
XYZ(47.5973, 63.3265, 69.0556)
contains.

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Color

**XYZ(47.3936, 63.1012,
68.7133)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82E1CF |
| RGB | 130, 225, 207 |
| RGB Percent | 51%, 88%, 81% |
| CMY | 0.4902, 0.1176, 0.1882 |
| CMYK | 0.42, 0.00, 0.08, 0.12 |
| HSL | 169°, 61%, 70% |
| HSV | 169°, 42%, 88% |
| XYZ | 47.3936, 63.1012, 68.7133 |
| YIQ | 194.5430, -50.8420, -25.7380 |

Conversions

Conversions Part 2

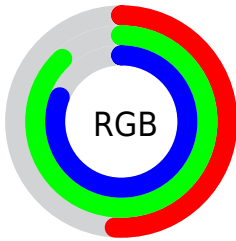
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 130, 182, 225 |
| Decimal | 8577487 |
| CIELab | 83.50, -32.37, -0.01 |
| CIELCh | 83, 32.372, 180.010 |
| Yxy | 63.1012, 0.2645, 0.3521 |
| Android (android.graphics.Color) | 4286767567 (0xFF82E1CF) |
| YUV | 194.5430, 6.1413, -56.6042 |
| Hunter-Lab | 79.4363, -32.5160, 4.3188 |

Details

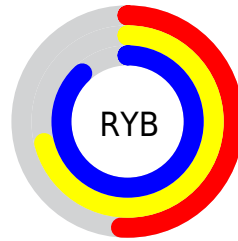
The XYZ color **47.3936, 63.1012, 68.7133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.3814, 34.1127, 32.2646**, and the grayscale version is **51.5878, 54.2744, 59.1048**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.6854, 32.0923, 35.1358** is the 20% darker color. If you saturate the color by 10%, you get **43.7986, 61.3089, 65.8616**, and if you desaturate by 10%, it is **51.7609, 65.2931, 71.6773**.

Distribution



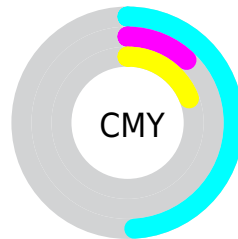
- Red (51%)
- Green (88%)
- Blue (81%)



- Red (51%)
- Yellow (71%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (49%)
- Magenta (12%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3936, 63.1012, 68.7133 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 47.3936, 63.1012, 68.7133 by changing the saturation by 10% instead.


 47.3936, 63.1012,
68.7133


 47.3936, 63.1012,
68.7133


367.0062,
435.9367, 474.6857

 33.5562, 45.9231,
50.0079


 85.5160, 109.3155,
119.0358

 22.7141, 32.1851,
35.0485

 110.5317,
139.1205, 151.4901

 14.5021, 21.5029,
23.4164


 140.0042,
173.9032, 189.3644

 8.5547, 13.4921,
14.6931

174.2989,
214.0480, 233.0773

 4.5067, 7.7683,
8.4600

213.7810,
259.9394, 283.0474

 1.9926, 3.9470,
4.2987

258.8161,

 0.6298, 1.6440,

311.9617, 339.6931

1.7906

309.7693,
370.4993, 403.4330

■ 0.0000, 0.3870,
0.4218

■ 0.0000, 0.0000,
0.0000

■ 47.3936, 63.1012,
68.7133

■ 47.3936, 63.1012,
68.7133

■ 43.7986, 61.3089,
65.8616

■ 51.7609, 65.2931,
71.6773

■ 40.9207, 59.8831,
63.1151


■ 56.9403, 67.9005,
74.7521


■ 38.7058, 58.7975,
60.4719


■ 62.9754, 70.9474,
77.9415


■ 37.0898, 58.0191,
57.9286


■ 69.9052, 74.4539,
81.2479


 35.9957, 57.5081,
55.4808

 77.7661, 78.4386,
84.6736

 35.4077, 57.2451,
53.6380

 82.8149, 80.9720,
88.0440

 83.4301, 81.2181,
91.2837

 84.0601, 81.4701,
94.6014

 84.7051, 81.7281,
97.9976

Harmonies

Analogous

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



48.9649, 63.1012, 51.0403



47.3936, 63.1012, 68.7133



48.9670, 63.1012, 90.0546

Triad

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



47.3936, 63.1012, 68.7133



67.0283, 63.1012, 108.1924



67.0239, 63.1012, 40.2238

Complementary

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



47.3936, 63.1012, 68.7133



44.3814, 34.1127, 32.2646

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.



72.5221, 63.1012, 51.0306



47.3936, 63.1012, 68.7133



72.5248, 63.1012, 90.0405

Square

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



47.3936, 63.1012, 68.7133



59.9782, 63.1012, 115.4050



74.6084, 63.1012, 68.6997



59.9734, 63.1012, 36.6883

Rectangle

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



47.3936, 63.1012, 68.7133



51.6641, 63.1012, 103.0237



74.6084, 63.1012, 68.6997



69.1343, 63.1012, 43.0065

Sweetspot

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



47.3954, 63.1037, 68.7148



82.8932, 93.8479, 103.1378



43.3508, 61.8542, 30.7745



17.3445, 19.8862, 21.8720



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.



47.3954, 63.1037, 68.7148



58.5431, 81.6094, 87.7919



42.6513, 49.8901, 78.6187



13.9993, 15.5255, 17.0318



20.4438, 33.0024, 31.1238



1.4461, 2.2992, 2.3105

Inverse Universe

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



44.3814, 34.1127, 32.2646



54.0397, 38.1035, 33.1896



47.3950, 42.2459, 26.7766



13.8128, 13.7428, 14.7845



18.1725, 9.3360, 2.3083



1.2906, 0.6595, 0.3229

Previews

White Background



This preview shows how the XYZ color 47.3936, 63.1012, 68.7133 looks on a white background.

Color Contrast Check

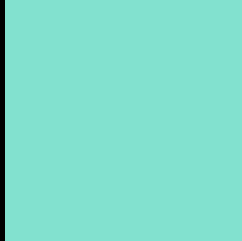
Large Text (above 18pt) WCAG AA × Fail

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 47.3936, 63.1012, 68.7133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

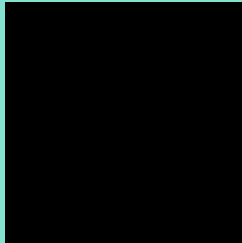
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

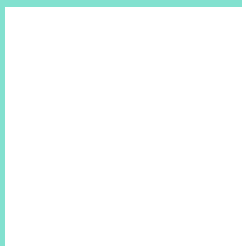
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3936, 63.1012, 68.7133

Background



This preview shows how black text looks on a background with the XYZ color 47.3936, 63.1012, 68.7133.

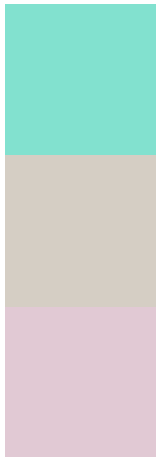


This preview shows how white text looks on a background with the XYZ color 47.3936, 63.1012,

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

47.3936, 63.1012, 68.7133

Protanopia

59.4757, 62.2743, 61.1100

Deuteranopia

63.8216, 62.5343, 70.9939



Tritanopia

51.5070, 62.7627, 90.2886

Trichromacy



Original Color

47.3936, 63.1012, 68.7133



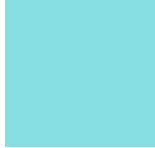
Protanomaly

53.7480, 61.8259, 63.7444



Deuteranomaly

55.9147, 61.6935, 69.9338



Tritanomaly

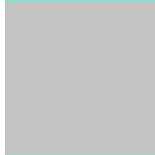
49.9781, 62.9395, 82.1875

Monochromacy



Original Color

47.3936, 63.1012, 68.7133



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.1747, 56.9241, 62.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3936, 63.1012, 68.7133 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(130, 225, 207)` looks like.

```
.text, #text, p{  
    color:rgb(130, 225, 207)  
}
```

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(130, 225, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 225, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.3936, 63.1012, 68.7133 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(130, 225, 207) }
```


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

```
.border{ border-color:rgb(130, 225, 207) }
```

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

Here you see how a box with a 4 pixel rgb(130, 225, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 225, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 225, 207);  
box-shadow:4px 4px 4px 4px rgb(130, 225,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3936, 63.1012, 68.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 225, 207) }
```

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

```
.background{ background-color: rgb(130,  
225, 207) }
```

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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