

Converting Colors

XYZ(38.5942, 50.1083, 67.3131)

Have a look what the booklet for
XYZ(38.5942, 50.1083, 67.3131)
contains.

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Color

**XYZ(38.6850, 50.3301,
67.3503)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACBD0
RGB	106, 203, 208
RGB Percent	42%, 80%, 82%
CMY	0.5843, 0.2039, 0.1843
CMYK	0.49, 0.02, 0.00, 0.18
HSL	183°, 52%, 62%
HSV	183°, 49%, 82%
XYZ	38.6850, 50.3301, 67.3503
YIQ	174.5670, -59.4170, -19.0090

Conversions

Conversions Part 2

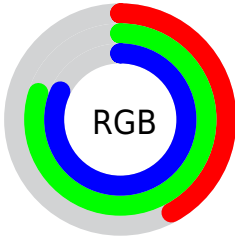
Format	Color
RYB	106, 156, 208
Decimal	6998992
CIELab	76.27, -27.18, -11.32
CIELCh	76, 29.442, 202.610
Yxy	50.3301, 0.2474, 0.3219
Android (android.graphics.Color)	4285189072 (0xFF6ACBD0)
YUV	174.5670, 16.4825, -60.1333
Hunter-Lab	70.9437, -26.8170, -6.6263

Details

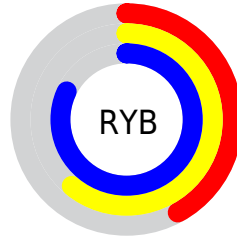
The XYZ color **38.6850, 50.3301, 67.3503** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.2994, 25.8204, 16.8131**, and the grayscale version is **40.4649, 42.5723, 46.3612**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **17.5764, 24.3416, 34.3439** is the 20% darker color. If you saturate the color by 10%, you get **36.2671, 48.7286, 67.1695**, and if you desaturate by 10%, it is **41.7070, 52.2477, 67.5620**.

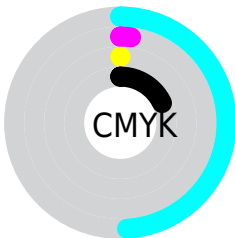
Distribution



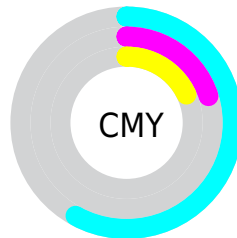
- Red (42%)
- Green (80%)
- Blue (82%)



- Red (42%)
- Yellow (61%)
- Blue (82%)



- Cyan (49%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (58%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6850, 50.3301, 67.3503 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 38.6850, 50.3301, 67.3503 by changing the saturation by 10% instead.

■ 38.6850, 50.3301,
67.3503

■ 38.6850, 50.3301,
67.3503

331.7797,
387.9554, 469.7260

■ 26.6944, 35.6758,
48.9060

■ 72.4540, 90.6638,
117.0676

■ 17.4792, 24.1839,
34.1798

■ 94.9631, 117.1119,
149.1777

■ 10.6742, 15.4701,
22.7533

■ 121.7091,
148.2601, 186.6801

■ 5.9139, 9.1500,
14.2079

153.0573,
184.4927, 229.9934

■ 2.8329, 4.8391,
8.1250

189.3731,
226.1941, 279.5361

■ 1.0660, 2.1532,
4.0861

231.0219,

■ 0.0000, 0.6943,

273.7488, 335.7267

1.6727

278.3689,
327.5411, 398.9839

■ 0.0000, 0.0000,
0.3419

■ 0.0000, 0.0000,
0.0000

■ 38.6850, 50.3301,
67.3503

■ 38.6850, 50.3301,
67.3503

■ 36.2671, 48.7286,
67.1695

■ 41.7070, 52.2477,
67.5620

■ 34.4045, 47.4146,
67.0140


■ 45.3681, 54.4960,
67.8030

■ 33.0488, 46.3642,
66.8828


■ 49.7063, 57.0956,
68.0762


■ 32.1407, 45.5469,
66.7729


■ 54.7550, 60.0639,
68.3830


 31.5832, 44.9127,
66.6798


 60.5455, 63.4170,
68.7250

 31.5357, 44.8549,
66.6712

 67.1074, 67.1701,
69.1036

 74.4684, 71.3376,
69.5200

 75.9587, 72.4809,
69.6622

 76.2130, 72.9895,
69.7469

Harmonies

Analogous

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



38.0563, 50.3301, 50.9800



38.6850, 50.3301, 67.3503



41.6718, 50.3301, 82.7034

Triad

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



38.6850, 50.3301, 67.3503



56.7842, 50.3301, 75.4303



49.2167, 50.3301, 29.8270

Complementary

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



38.6850, 50.3301, 67.3503



34.2994, 25.8204, 16.8131

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.



54.5827, 50.3301, 34.0075



38.6850, 50.3301, 67.3503



59.1651, 50.3301, 58.8081

Square

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



38.6850, 50.3301, 67.3503



52.0390, 50.3301, 87.9597



58.3299, 50.3301, 43.9161



43.8680, 50.3301, 31.2391

Rectangle

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



38.6850, 50.3301, 67.3503



44.7319, 50.3301, 89.2654



58.3299, 50.3301, 43.9161



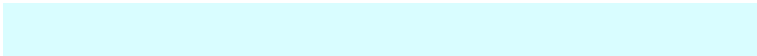
51.0831, 50.3301, 30.5920

Sweetspot

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



38.6865, 50.3320, 67.3515



81.7560, 92.2633, 108.1073



31.2829, 49.2898, 22.4477



17.1454, 19.5393, 23.1178



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.



38.6865, 50.3320, 67.3515



57.2760, 77.1020, 106.4712



28.8201, 30.5991, 64.0627



12.1067, 13.3036, 15.1734



19.6758, 27.9983, 41.5597



1.1157, 1.5967, 2.3290

Inverse Universe

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



41.9473, 28.0312, 59.7017



63.1314, 38.0259, 92.5166



41.2554, 39.7324, 19.1318



12.2847, 11.9986, 14.7752



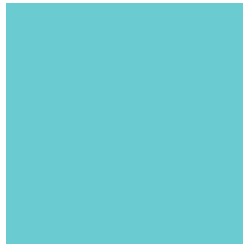
22.5622, 10.8977, 34.1962



1.2694, 0.6125, 1.9535

Previews

White Background



This preview shows how the XYZ color 38.6850, 50.3301, 67.3503 looks on a white background.

Color Contrast Check

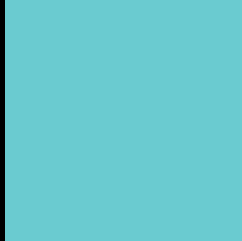
Large Text (above 18pt) WCAG AA × Fail

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 38.6850, 50.3301, 67.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

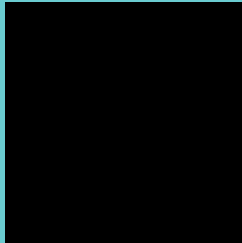
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6850, 50.3301, 67.3503

Background



This preview shows how black text looks on a background with the XYZ color 38.6850, 50.3301, 67.3503.

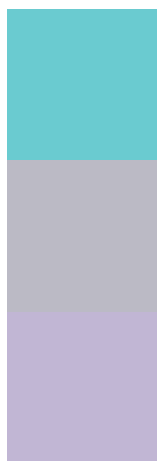


This preview shows how white text looks on a background with the XYZ color 38.6850, 50.3301,

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

38.6850, 50.3301, 67.3503

Protanopia

48.1305, 49.7138, 59.8823

Deuteranopia

50.6039, 49.5468, 69.1837



Tritanopia

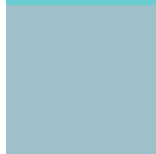
39.8482, 50.0865, 73.8971

Trichromacy



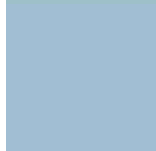
Original Color

38.6850, 50.3301, 67.3503



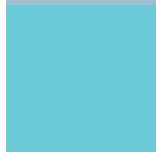
Protanomaly

43.4928, 49.1854, 62.4598



Deuteranomaly

44.8693, 49.1071, 68.7418



Tritanomaly

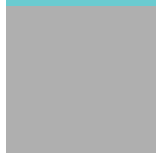
39.4425, 50.2842, 71.2453

Monochromacy



Original Color

38.6850, 50.3301, 67.3503



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.8963, 44.7698, 53.6051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6850, 50.3301, 67.3503 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(106, 203, 208)` looks like.

```
.text, #text, p{  
    color:rgb(106, 203, 208)  
}
```

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(106, 203, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 203, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.6850, 50.3301, 67.3503 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(106, 203, 208) }
```


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

```
.border{ border-color:rgb(106, 203, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 203, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 203, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 203, 208);  
box-shadow:4px 4px 4px 4px rgb(106, 203,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6850, 50.3301, 67.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 203, 208) }
```

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

```
.background{ background-color: rgb(106,  
203, 208) }
```

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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