

Converting Colors

XYZ(33.0402, 40.8839, 60.1219)

Have a look what the booklet for
XYZ(33.0402, 40.8839, 60.1219)
contains.

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Color

**XYZ(33.0680, 40.9938,
60.2025)**

Conversions

Conversions Part 1

Format	Color
Hex	69B7C7
RGB	105, 183, 199
RGB Percent	41%, 72%, 78%
CMY	0.5882, 0.2823, 0.2196
CMYK	0.47, 0.08, 0.00, 0.22
HSL	190°, 46%, 60%
HSV	190°, 47%, 78%
XYZ	33.0680, 40.9938, 60.2025
YIQ	161.5020, -51.6240, -11.5600

Conversions

Conversions Part 2

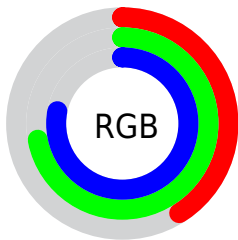
Format	Color
R _Y B	105, 148, 199
Decimal	6928327
CIE Lab	70.17, -19.77, -15.58
CIE LCh	70, 25.169, 218.247
Yxy	40.9938, 0.2463, 0.3053
Android (android.graphics.Color)	4285118407 (0xFF69B7C7)
YUV	161.5020, 18.4865, -49.5523
Hunter-Lab	64.0264, -19.8555, -10.9305

Details

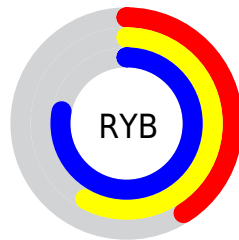
The XYZ color **33.0680, 40.9938, 60.2025** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.9411, 26.8375, 16.8097**, and the grayscale version is **34.0448, 35.8178, 39.0056**.

A 20% lighter version of the original color is **63.6144, 76.5301, 106.0267**, and **14.2202, 18.5904, 29.6269** is the 20% darker color. If you saturate the color by 10%, you get **30.3086, 38.5475, 59.8765**, and if you desaturate by 10%, it is **36.3936, 43.7588, 60.5616**.

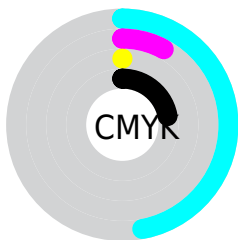
Distribution



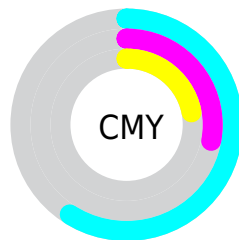
- Red (41%)
- Green (72%)
- Blue (78%)



- Red (41%)
- Yellow (58%)
- Blue (78%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0680, 40.9938, 60.2025 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 33.0680, 40.9938, 60.2025 by changing the saturation by 10% instead.

33.0680, 40.9938,
60.2025

33.0680, 40.9938,
60.2025

307.6156,
350.2947, 443.1691

22.3380, 28.3142,
43.1555

63.8356, 76.6745,
106.6696

14.2235, 18.5627,
29.6748

84.6040, 100.4444,
136.9268

8.3590, 11.3547,
19.3420

109.4493,
128.6799, 172.4245

4.3792, 6.3059,
11.7383

138.7367,
161.7653, 213.5812

1.9188, 3.0320,
6.4454

172.8317,
200.0851, 260.8155

0.5878, 1.1485,
3.0446

212.0996,

0.0000, 0.0190,

244.0237, 314.5459

1.1175

256.9058,
293.9654, 375.1909

■ 0.0000, 0.0000,
0.0000

■ 33.0680, 40.9938,
60.2025

■ 33.0680, 40.9938,
60.2025

■ 30.3086, 38.5475,
59.8765

■ 36.3936, 43.7588,
60.5616

■ 28.0728, 36.3950,
59.5789

■ 40.3167, 46.8560,
60.9527

■ 26.3179, 34.5151,
59.3085

■ 44.8708, 50.3037,
61.3781

■ 24.9927, 32.8811,
59.0629

■ 50.0857, 54.1176,
61.8394

■ 24.0265, 31.4565,
58.8389

■ 55.9892, 58.3121,
62.3379

■ 23.7879, 31.0814,
58.7791

■ 62.6077, 62.9010,
62.8748

■ 69.9661, 67.8973,
63.4514

■ 74.6199, 71.5255,
63.9064

■ 75.4655, 73.2167,
64.1883

Harmonies

Analogous

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



31.6385, 40.9938, 47.9690



33.0680, 40.9938, 60.2025



36.1010, 40.9938, 69.1934

Triad

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



33.0680, 40.9938, 60.2025



46.7929, 40.9938, 53.5810



37.8382, 40.9938, 25.7389

Complementary

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



33.0680, 40.9938, 60.2025



32.9411, 26.8375, 16.8097

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.



41.9732, 40.9938, 26.7073



33.0680, 40.9938, 60.2025



47.3397, 40.9938, 41.4597

Square

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



33.0680, 40.9938, 60.2025



44.0754, 40.9938, 64.9257



45.5208, 40.9938, 32.0135



34.2628, 40.9938, 29.0852

Rectangle

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



33.0680, 40.9938, 60.2025



38.7216, 40.9938, 71.3652



45.5208, 40.9938, 32.0135



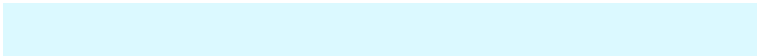
39.2061, 40.9938, 25.5840

Sweetspot

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



33.0693, 40.9954, 60.2035



81.2060, 90.0310, 107.7055



29.6809, 45.2233, 25.1480



16.9705, 18.9668, 23.0165



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.



33.0693, 40.9954, 60.2035



52.8067, 67.2521, 104.8055



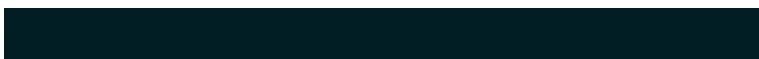
24.9868, 24.8303, 57.5093



10.7872, 11.7484, 13.6166



15.3520, 20.0980, 37.8145



0.7687, 1.0352, 1.8044

Inverse Universe

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



37.1531, 25.6653, 47.7972



61.0980, 38.0644, 79.1829



40.0451, 41.0454, 19.1777



11.0026, 10.7844, 12.9970



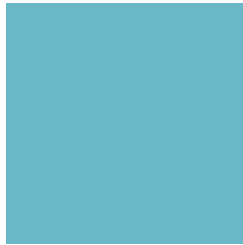
19.5483, 9.5689, 23.8952



0.9467, 0.4615, 1.2425

Previews

White Background



This preview shows how the XYZ color 33.0680, 40.9938, 60.2025 looks on a white background.

Color Contrast Check

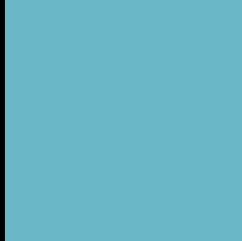
Large Text (above 18pt) WCAG AA × Fail

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 33.0680, 40.9938, 60.2025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

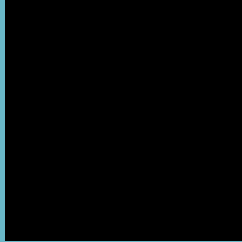
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0680, 40.9938, 60.2025

Background



This preview shows how black text looks on a background with the XYZ color 33.0680, 40.9938, 60.2025.



This preview shows how white text looks on a background with the XYZ color 33.0680, 40.9938,

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

33.0680, 40.9938, 60.2025

Protanopia

39.6307, 40.4185, 54.4280

Deuteranopia

41.6115, 40.7199, 62.1665



Tritanopia

32.9522, 40.9474, 59.5930

Trichromacy



Original Color

33.0680, 40.9938, 60.2025

Protanomaly

36.4387, 40.1421, 56.2797

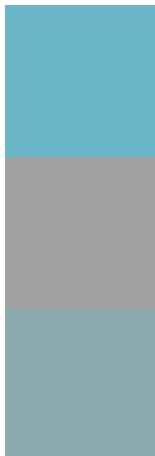
Deuteranomaly

37.8170, 40.4473, 61.6911

Tritanomaly

32.9522, 40.9474, 59.5930

Monochromacy



Original Color

33.0680, 40.9938, 60.2025

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0971, 37.5073, 46.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0680, 40.9938, 60.2025 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(105, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 199)  
}
```

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(105, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.0680, 40.9938, 60.2025 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(105, 183, 199) }
```


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

```
.border{ border-color:rgb(105, 183, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(105, 183,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0680, 40.9938, 60.2025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 199) }
```

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

```
.background{ background-color: rgb(105,  
183, 199) }
```

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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