

Converting Colors

XYZ(33.7424, 34.0616, 51.5408)

Have a look what the booklet for
XYZ(33.7424, 34.0616, 51.5408)
contains.

XYZ(33.8070, 34.0402, 51.8023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8070, 34.0402,
51.8023)**

Conversions

Conversions Part 1

Format	Color
Hex	989CBB
RGB	152, 156, 187
RGB Percent	60%, 61%, 73%
CMY	0.4039, 0.3882, 0.2667
CMYK	0.19, 0.17, 0.00, 0.27
HSL	233°, 20%, 66%
HSV	233°, 19%, 73%
XYZ	33.8070, 34.0402, 51.8023
YIQ	158.3380, -12.3350, 8.7930

Conversions

Conversions Part 2

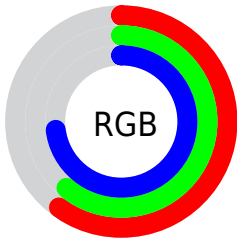
Format	Color
R_{YB}	152, 156, 187
Decimal	10001595
CIE _{Lab}	64.99, 5.15, -16.49
CIE _{LCh}	65, 17.272, 287.345
Yxy	34.0402, 0.2826, 0.2845
Android (android.graphics.Color)	4288191675 (0xFF989CBB)
YUV	158.3380, 14.1304, -5.5584
Hunter-Lab	58.3440, 1.3286, -11.8015

Details

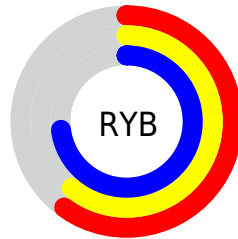
The XYZ color **33.8070, 34.0402, 51.8023** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.0948, 46.6987, 36.4490**, and the grayscale version is **32.5955, 34.2930, 37.3451**.

A 20% lighter version of the original color is **64.9564, 65.8296, 94.0768**, and **14.7215, 14.5911, 24.5947** is the 20% darker color. If you saturate the color by 10%, you get **27.9870, 27.1924, 50.7878**, and if you desaturate by 10%, it is **40.5599, 41.9332, 52.9704**.

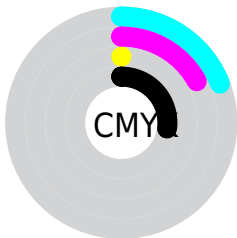
Distribution



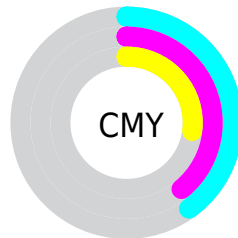
- Red (60%)
- Green (61%)
- Blue (73%)



- Red (60%)
- Yellow (61%)
- Blue (73%)



- Cyan (19%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (40%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8070, 34.0402, 51.8023 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 33.8070, 34.0402, 51.8023 by changing the saturation by 10% instead.

■ 33.8070, 34.0402,
51.8023

■ 33.8070, 34.0402,
51.8023

310.8717,
320.3113, 410.6081

■ 22.9076, 22.9245,
36.4664

■ 64.9797, 65.9962,
94.2632

■ 14.6456, 14.5378,
24.5020

■ 85.9837, 87.6052,
122.2253

■ 8.6557, 8.4956,
15.4908

111.0866,
113.4808, 155.2331

■ 4.5726, 4.4137,
9.0141

140.6537,
144.0074, 193.7053

■ 2.0309, 1.9076,
4.6535

175.0504,
179.5694, 238.0604

■ 0.6512, 0.5529,
1.9903

214.6421,

■ 0.0000, 0.0000,

220.5511, 288.7168

0.5493

259.7940,
267.3369, 346.0932

■ 0.0000, 0.0000,
0.0000

■ 33.8070, 34.0402,
51.8023

■ 33.8070, 34.0402,
51.8023

■ 27.9870, 27.1924,
50.7878

■ 40.5599, 41.9332,
52.9704

■ 23.0557, 21.3418,
49.9185

■ 48.2810, 50.9083,
54.2959

■ 18.9701, 16.4430,
49.1882

■ 57.0076, 61.0059,
55.7850

■ 15.6822, 12.4452,
48.5899

■ 66.7741, 72.2630,
57.4430

■ 13.1392, 9.2931,
48.1155

■ 77.6134, 84.7148,
59.2752

■ 11.2821, 6.9250,
47.7563

■ 85.9697, 96.3679,
61.0840

■ 10.0423, 5.2707,
47.5023

■ 9.3164, 4.2365,
47.3410

■ 9.2450, 4.1383,
47.3258

Harmonies

Analogous

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



31.3135, 34.0402, 52.1672



33.8070, 34.0402, 51.8023



36.0159, 34.0402, 47.1855

Triad

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



33.8070, 34.0402, 51.8023



35.7183, 34.0402, 27.8417



27.8913, 34.0402, 34.1318

Complementary

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



33.8070, 34.0402, 51.8023



43.0948, 46.6987, 36.4490

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.



28.9495, 34.0402, 28.5044



33.8070, 34.0402, 51.8023



33.4177, 34.0402, 25.1995

Square

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



33.8070, 34.0402, 51.8023



37.1578, 34.0402, 33.1133



30.9436, 34.0402, 25.4254



27.9835, 34.0402, 41.3170

Rectangle

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



33.8070, 34.0402, 51.8023



36.9912, 34.0402, 42.6178



30.9436, 34.0402, 25.4254



28.1219, 34.0402, 32.0149

Sweetspot

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



33.8081, 34.0416, 51.8031



76.0929, 79.1206, 95.4627



39.2585, 45.6321, 51.4936



16.5646, 17.1998, 20.9894



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.8081, 34.0416, 51.8031



56.5657, 56.2908, 92.0853



35.8025, 34.0892, 51.7071



9.1020, 9.3963, 12.0062



6.3977, 2.9072, 32.6168



0.2801, 0.1728, 1.2874

Inverse Universe

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



37.7234, 35.4224, 36.3030



64.7475, 59.2397, 59.6803



40.8013, 46.7592, 36.5815



9.5733, 9.5536, 10.1422



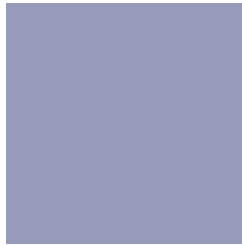
14.2300, 7.3232, 1.2390



0.5723, 0.2928, 0.1268

Previews

White Background



This preview shows how the XYZ color 33.8070, 34.0402, 51.8023 looks on a white background.

Color Contrast Check

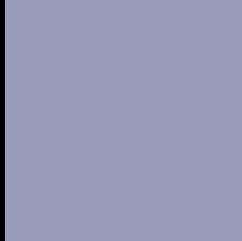
Large Text (above 18pt) WCAG AA × Fail

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 33.8070, 34.0402, 51.8023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

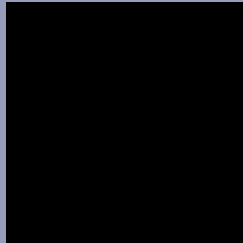
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8070, 34.0402, 51.8023

Background



This preview shows how black text looks on a background with the XYZ color 33.8070, 34.0402, 51.8023.



This preview shows how white text looks on a background with the XYZ color 33.8070, 34.0402,

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

33.8070, 34.0402, 51.8023

Protanopia

33.6206, 33.9441, 51.7936

Deuteranopia

34.6258, 33.9682, 51.7452



Tritanopia

32.1432, 34.1261, 43.4209

Trichromacy



Original Color

33.8070, 34.0402, 51.8023

Protanomaly

33.6206, 33.9441, 51.7936

Deuteranomaly

34.4013, 34.0985, 51.7822

Tritanomaly

32.7403, 34.1121, 46.4537

Monochromacy



Original Color

33.8070, 34.0402, 51.8023

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.9287, 34.0464, 42.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8070, 34.0402, 51.8023 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(152, 156, 187)` looks like.

```
.text, #text, p{  
    color:rgb(152, 156, 187)  
}
```

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(152, 156, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 156, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.8070, 34.0402, 51.8023 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(152, 156, 187) }
```


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

```
.border{ border-color:rgb(152, 156, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 156, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 156, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 156, 187);  
box-shadow:4px 4px 4px 4px rgb(152, 156,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8070, 34.0402, 51.8023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 156, 187) }
```

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

```
.background{ background-color: rgb(152,  
156, 187) }
```

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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