

Converting Colors

XYZ(36.1633, 38.9824, 50.9658)

Have a look what the booklet for
XYZ(36.1633, 38.9824, 50.9658)
contains.

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Color

**XYZ(36.1633, 38.9824,
50.9658)**

Conversions

Conversions Part 1

Format	Color
Hex	99AAB8
RGB	153, 170, 184
RGB Percent	60%, 67%, 72%
CMY	0.4000, 0.3333, 0.2784
CMYK	0.17, 0.08, 0.00, 0.28
HSL	207°, 18%, 66%
HSV	207°, 17%, 72%
XYZ	36.1633, 38.9824, 50.9658
YIQ	166.5130, -14.6260, 0.7500

Conversions

Conversions Part 2

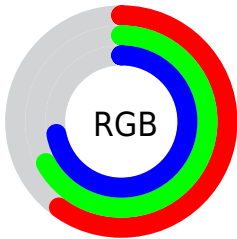
Format	Color
R_{YB}	153, 164, 184
Decimal	10070712
CIE _{Lab}	68.74, -2.94, -9.19
CIE _{LCh}	69, 9.646, 252.239
Yxy	38.9824, 0.2868, 0.3091
Android (android.graphics.Color)	4288260792 (0xFF99AAB8)
YUV	166.5130, 8.6211, -11.8509
Hunter-Lab	62.4359, -5.8744, -4.6927

Details

The XYZ color **36.1633, 38.9824, 50.9658** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.3360, 40.1277, 35.8100**, and the grayscale version is **36.4594, 38.3581, 41.7719**.

A 20% lighter version of the original color is **68.6658, 73.5516, 93.0159**, and **16.0547, 17.4203, 23.9890** is the 20% darker color. If you saturate the color by 10%, you get **31.4462, 34.3120, 50.3136**, and if you desaturate by 10%, it is **41.5167, 44.1290, 51.6777**.

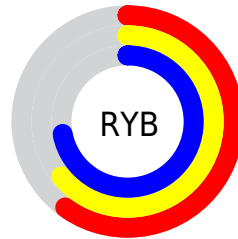
Distribution



Red (60%)

Green (67%)

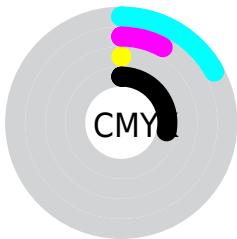
Blue (72%)



Red (60%)

Yellow (64%)

Blue (72%)

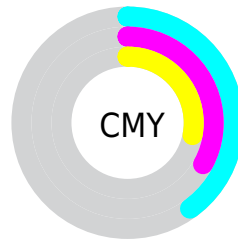


Cyan (17%)

Magenta (8%)

Yellow (0%)

Black (28%)



Cyan (40%)

Magenta (33%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1633, 38.9824, 50.9658 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 36.1633, 38.9824, 50.9658 by changing the saturation by 10% instead.

■ 36.1633, 38.9824,
50.9658

■ 36.1633, 38.9824,
50.9658

321.0925,
341.8157, 407.2737

■ 24.7310, 26.7460,
35.8049

■ 68.6063, 73.6114,
93.0152

■ 16.0044, 17.3826,
23.9950

■ 90.3477, 96.7729,
120.7407

■ 9.6182, 10.5076,
15.1178

116.2562,
124.3448, 153.4915

■ 5.2068, 5.7368,
8.7545

146.6971,
156.7117, 191.6862

■ 2.4051, 2.6857,
4.4868

182.0359,
194.2578, 235.7432

■ 0.8477, 0.9699,
1.8960

222.6378,

■ 0.0000, 0.0000,

237.3675, 286.0810

0.4902

268.8682,
286.4254, 343.1184

■ 0.0000, 0.0000,
0.0000

■ 36.1633, 38.9824,
50.9658

■ 36.1633, 38.9824,
50.9658

■ 31.4462, 34.3120,
50.3136

■ 41.5167, 44.1290,
51.6777

■ 27.3357, 30.0968,
49.7166

■ 47.5276, 49.7623,
52.4482

■ 23.8048, 26.3210,
49.1739

■ 54.2204, 55.8984,
53.2798

■ 20.8227, 22.9661,
48.6835

■ 61.6172, 62.5512,
54.1741

■ 18.3558, 20.0118,
48.2433

■ 69.7391, 69.7340,
55.1324

■ 16.3663, 17.4354,
47.8509

■ 75.4469, 75.8308,
56.0084

■ 14.8103, 15.2114,
47.5036

■ 77.6801, 80.2973,
56.7528

■ 13.6282, 13.3056,
47.1980

■ 80.0233, 84.9836,
57.5339

■ 13.2974, 12.7518,
47.1086

■ 82.4778, 89.8926,
58.3520

Harmonies

Analogous

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



34.9205, 38.9824, 48.3514



36.1633, 38.9824, 50.9658



37.6774, 38.9824, 51.2030

Triad

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



36.1633, 38.9824, 50.9658



39.9952, 38.9824, 40.6878



35.1131, 38.9824, 36.5202

Complementary

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



36.1633, 38.9824, 50.9658



39.3360, 40.1277, 35.8100

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.



36.4328, 38.9824, 34.7477



36.1633, 38.9824, 50.9658



39.2677, 38.9824, 37.0407

Square

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



36.1633, 38.9824, 50.9658



39.9182, 38.9824, 45.0618



37.9543, 38.9824, 34.9315



34.3257, 38.9824, 39.9319

Rectangle

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



36.1633, 38.9824, 50.9658



38.6398, 38.9824, 49.9609



37.9543, 38.9824, 34.9315



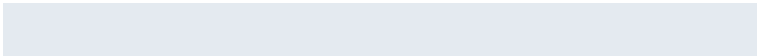
35.5076, 38.9824, 35.7238

Sweetspot

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



36.1645, 38.9840, 50.9667



77.0931, 81.7307, 93.9170



37.2485, 43.8422, 43.0349



16.4624, 17.4708, 20.2261



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



36.1645, 38.9840, 50.9667



62.4463, 67.6189, 91.9651



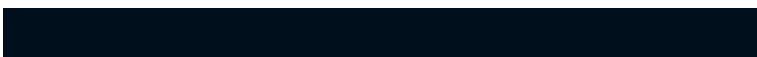
33.4359, 33.5270, 50.0572



8.9183, 9.5139, 11.4458



9.2358, 8.9313, 32.4902



0.3865, 0.4367, 1.1657

Inverse Universe

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



38.4150, 35.8760, 42.9320



67.2922, 61.1315, 74.6188



42.3379, 46.1315, 36.8106



9.2051, 9.0924, 10.4276



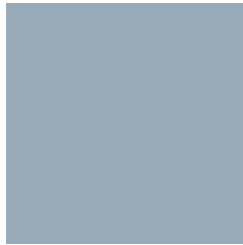
15.2755, 7.6840, 9.3375



0.5692, 0.2832, 0.4911

Previews

White Background



This preview shows how the XYZ color 36.1633, 38.9824, 50.9658 looks on a white background.

Color Contrast Check

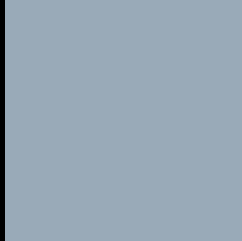
Large Text (above 18pt) WCAG AA × Fail

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 36.1633, 38.9824, 50.9658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

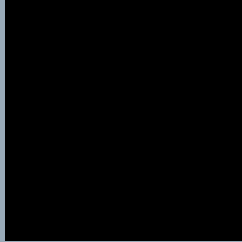
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

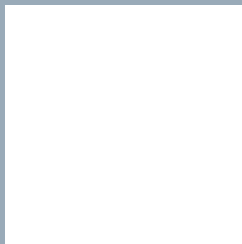
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1633, 38.9824, 50.9658

Background



This preview shows how black text looks on a background with the XYZ color 36.1633, 38.9824, 50.9658.

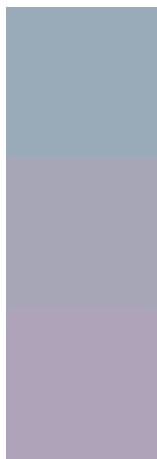


This preview shows how white text looks on a background with the XYZ color 36.1633, 38.9824,

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

36.1633, 38.9824, 50.9658

Protanopia

37.8056, 38.7568, 49.7442

Deuteranopia

39.5333, 38.8111, 51.3066



Tritanopia

36.1633, 38.9824, 50.9658

Trichromacy



Original Color

36.1633, 38.9824, 50.9658

Protanomaly

37.0639, 38.6334, 50.3033

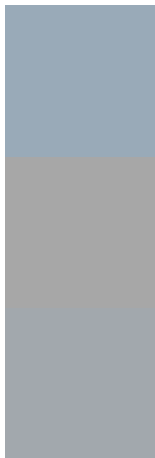
Deuteranomaly

38.3295, 38.9907, 51.4047

Tritanomaly

36.1633, 38.9824, 50.9658

Monochromacy



Original Color

36.1633, 38.9824, 50.9658

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4457, 38.7038, 45.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1633, 38.9824, 50.9658 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(153, 170, 184)` looks like.

```
.text, #text, p{  
    color:rgb(153, 170, 184)  
}
```

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(153, 170, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 170, 184) }
```

Border

The CSS property to change the border of an element to XYZ 36.1633, 38.9824, 50.9658 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(153, 170, 184) }
```


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

```
.border{ border-color:rgb(153, 170, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 170, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 170, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 170, 184);  
box-shadow:4px 4px 4px 4px rgb(153, 170,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1633, 38.9824, 50.9658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 170, 184) }
```

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

```
.background{ background-color: rgb(153,  
170, 184) }
```

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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