

Converting Colors

XYZ(32.3723, 34.6974, 38.5514)

Have a look what the booklet for
XYZ(32.3723, 34.6974, 38.5514)
contains.

XYZ(32.3303, 34.5848, 38.6898)	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(32.3303, 34.5848,
38.6898)**

Conversions

Conversions Part 1

Format	Color
Hex	9AA0A1
RGB	154, 160, 161
RGB Percent	60%, 63%, 63%
CMY	0.3961, 0.3725, 0.3686
CMYK	0.04, 0.01, 0.00, 0.37
HSL	189°, 4%, 62%
HSV	189°, 4%, 63%
XYZ	32.3303, 34.5848, 38.6898
YIQ	158.3200, -3.8970, -0.9610

Conversions

Conversions Part 2

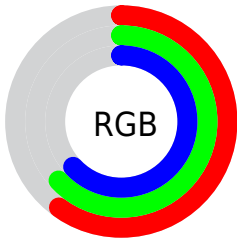
Format	Color
RYB	154, 157, 161
Decimal	10133665
CIELab	65.42, -1.94, -1.27
CIElCh	65, 2.318, 213.278
Yxy	34.5848, 0.3061, 0.3275
Android (android.graphics.Color)	4288323745 (0xFF9AA0A1)
YUV	158.3200, 1.3212, -3.7886
Hunter-Lab	58.8088, -4.7847, 2.1598

Details

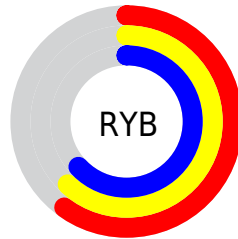
The XYZ color **32.3303, 34.5848, 38.6898** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2523, 33.3528, 35.3104**, and the grayscale version is **32.6409, 34.3408, 37.3971**.

A 20% lighter version of the original color is **62.7075, 66.9686, 74.5869**, and **13.8766, 14.9466, 16.9055** is the 20% darker color. If you saturate the color by 10%, you get **29.0753, 32.3226, 38.4252**, and if you desaturate by 10%, it is **36.0057, 37.0766, 38.9776**.

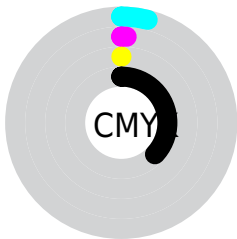
Distribution



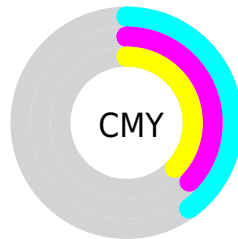
- Red (60%)
- Green (63%)
- Blue (63%)



- Red (60%)
- Yellow (62%)
- Blue (63%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (37%)



- Cyan (40%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3303, 34.5848, 38.6898 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 32.3303, 34.5848, 38.6898 by changing the saturation by 10% instead.

■ 32.3303, 34.5848,
38.6898

■ 32.3303, 34.5848,
38.6898

304.3398,
322.7318, 355.9564

■ 21.7707, 23.3432,
26.2125

■ 62.6902, 66.8421,
74.3793

■ 13.8042, 14.8471,
16.7555

■ 83.2213, 88.6265,
98.4286

■ 8.0654, 8.7122,
9.9002

107.8068,
114.6941, 127.1724

■ 4.1890, 4.5539,
5.2281

136.8122,
145.4291, 161.0291

■ 1.8096, 1.9880,
2.3206

170.6029,
181.2160, 200.4173

■ 0.5234, 0.6005,
0.7427

209.5441,

■ 0.0000, 0.0000,

222.4391, 245.7555

0.0000

254.0013,
269.4830, 297.4624

■ 32.3303, 34.5848,
38.6898

■ 32.3303, 34.5848,
38.6898

■ 29.0753, 32.3226,
38.4252

■ 36.0057, 37.0766,
38.9776

■ 26.2214, 30.2770,
38.1808

■ 40.1138, 39.8014,
39.2870

■ 23.7522, 28.4405,
37.9565

■ 44.6703, 42.7685,
39.6195

■ 21.6492, 26.8036,
37.7514

■ 49.6890, 45.9849,
39.9759

■ 19.8920, 25.3555,
37.5645

■ 55.1833, 49.4575,
40.3566

■ 18.4584, 24.0850,
37.3948

■ 61.1659, 53.1931,
40.7623

■ 17.3237, 22.9790,
37.2411

■ 63.2118, 54.9105,
40.9859

■ 16.4592, 22.0228,
37.1021

■ 63.6658, 55.8186,
41.1373

■ 15.8304, 21.1986,
36.9762

■ 64.1275, 56.7419,
41.2912

Harmonies

Analogous

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



32.2258, 34.5848, 37.7637



32.3303, 34.5848, 38.6898



32.5798, 34.5848, 39.3478

Triad

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



32.3303, 34.5848, 38.6898



33.4570, 34.5848, 38.5020



32.8346, 34.5848, 35.8252

Complementary

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



32.3303, 34.5848, 38.6898



32.2523, 33.3528, 35.3104

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.



33.1656, 34.5848, 36.0153



32.3303, 34.5848, 38.6898



33.5264, 34.5848, 37.5504

Square

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



32.3303, 34.5848, 38.6898



33.2305, 34.5848, 39.2380



33.4193, 34.5848, 36.6427



32.5157, 34.5848, 36.1189

Rectangle

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



32.3303, 34.5848, 38.6898



32.7956, 34.5848, 39.5400



33.4193, 34.5848, 36.6427



32.9481, 34.5848, 35.8347

Sweetspot

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



32.3313, 34.5863, 38.6906



60.0076, 63.3789, 69.4571



31.9828, 34.7247, 35.9986



13.1691, 13.9057, 15.2336



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



32.3313, 34.5863, 38.6906



57.4410, 61.6237, 69.2536



31.7439, 33.4115, 38.4948



7.4797, 8.0389, 9.0605



12.4250, 16.6294, 29.4847



0.2831, 0.3935, 0.6269

Inverse Universe

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



32.5995, 33.2271, 37.9546



58.0018, 58.7885, 67.7134



32.8322, 34.5126, 35.5037



7.5597, 7.6350, 8.8406



15.4170, 7.5229, 19.9185



0.3351, 0.1625, 0.4772

Previews

White Background



This preview shows how the XYZ color 32.3303, 34.5848, 38.6898 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 32.3303, 34.5848, 38.6898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

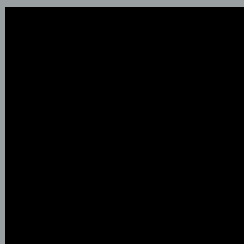
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

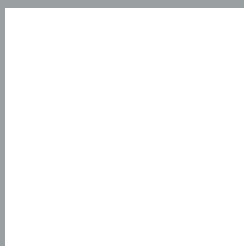
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3303, 34.5848, 38.6898

Background



This preview shows how black text looks on a background with the XYZ color 32.3303, 34.5848, 38.6898.



This preview shows how white text looks on a background with the XYZ color 32.3303, 34.5848,

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

32.3303, 34.5848, 38.6898

Protanopia

33.2700, 34.5689, 38.1766

Deuteranopia

35.0904, 34.4905, 38.9903



Tritanopia

33.2878, 34.4619, 43.4254

Trichromacy



Original Color

32.3303, 34.5848, 38.6898

Protanomaly

32.8439, 34.6034, 38.2058

Deuteranomaly

33.9271, 34.3849, 39.0312

Tritanomaly

32.8908, 34.5549, 41.4954

Monochromacy



Original Color

32.3303, 34.5848, 38.6898

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.5608, 34.4676, 37.7377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3303, 34.5848, 38.6898 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(154, 160, 161)` looks like.

```
.text, #text, p{  
    color:rgb(154, 160, 161)  
}
```

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(154, 160, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 160, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.3303, 34.5848, 38.6898 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(154, 160, 161) }
```


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

```
.border{ border-color:rgb(154, 160, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 160, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 160, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 160, 161);  
box-shadow:4px 4px 4px 4px rgb(154, 160,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3303, 34.5848, 38.6898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 160, 161) }
```

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

```
.background{ background-color: rgb(154,  
160, 161) }
```

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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