

Converting Colors

XYZ(32.9041, 34.3076, 38.2493)

Have a look what the booklet for
XYZ(32.9041, 34.3076, 38.2493)
contains.

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Color

**XYZ(32.8701, 34.3627,
38.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9EA0
RGB	159, 158, 160
RGB Percent	62%, 62%, 63%
CMY	0.3765, 0.3804, 0.3725
CMYK	0.01, 0.01, 0.00, 0.37
HSL	270°, 1%, 62%
HSV	270°, 1%, 63%
XYZ	32.8701, 34.3627, 38.1579
YIQ	158.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

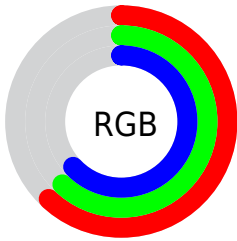
Format	Color
RYB	159, 158, 160
Decimal	10460832
CIELab	65.25, 0.75, -0.92
CIELCh	65, 1.186, 309.040
Yxy	34.3627, 0.3119, 0.3261
Android (android.graphics.Color)	4288650912 (0xFF9F9EA0)
YUV	158.5270, 0.7262, 0.4148
Hunter-Lab	58.6197, -2.4934, 2.4396

Details

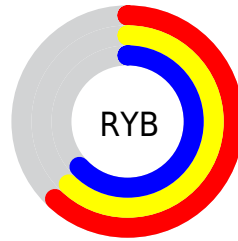
The XYZ color **32.8701, 34.3627, 38.1579** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0417, 34.9820, 37.3602**, and the grayscale version is **32.7365, 34.4413, 37.5066**.

A 20% lighter version of the original color is **63.7915, 66.7909, 73.8197**, and **14.2024, 14.8077, 16.5776** is the 20% darker color. If you saturate the color by 10%, you get **28.7796, 28.4637, 37.2354**, and if you desaturate by 10%, it is **37.4208, 41.0284, 39.2052**.

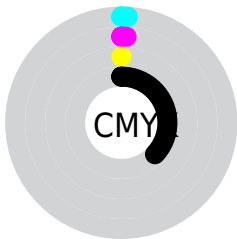
Distribution



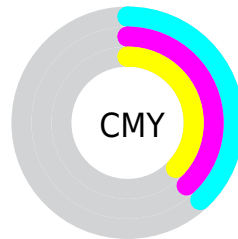
- Red (62%)
- Green (62%)
- Blue (63%)



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



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



- Cyan (38%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8701, 34.3627, 38.1579 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 32.8701, 34.3627, 38.1579 by changing the saturation by 10% instead.

■ 32.8701, 34.3627,
38.1579

■ 32.8701, 34.3627,
38.1579

306.7393,
321.7463, 353.6153

■ 22.1857, 23.1724,
25.8025

■ 63.5287, 66.4973,
73.5562

■ 14.1108, 14.7208,
16.4515

■ 84.2336, 88.2104,
97.4362

■ 8.2800, 8.6237,
9.6864

109.0095,
114.1998, 125.9947

■ 4.3279, 4.4966,
5.0887

138.2215,
144.8500, 159.6504

■ 1.8893, 1.9550,
2.2397

172.2352,
180.5453, 198.8218

■ 0.5706, 0.5811,
0.6972

211.4158,

■ 0.0000, 0.0000,

221.6703, 243.9273

0.0000

256.1287,
268.6091, 295.3857

■ 32.8701, 34.3627,
38.1579

■ 32.8701, 34.3627,
38.1579

■ 28.7796, 28.4637,
37.2354

■ 37.4208, 41.0284,
39.2052

■ 25.1310, 23.2987,
36.4307

■ 42.4436, 48.4832,
40.3794

■ 21.9085, 18.8392,
35.7398

■ 47.9535, 56.7539,
41.6854

■ 19.0948, 15.0531,
35.1573

■ 53.9640, 65.8647,
43.1271

■ 16.6708, 11.9058,
34.6776

■ 60.4880, 75.8389,
44.7085

■ 14.6161, 9.3593,
34.2944

■ 67.5379, 86.6989,
46.4331

■ 12.9079, 7.3718,
34.0008

■ 70.1508, 88.5161,
46.6462

■ 11.5206, 5.8954,
33.7889

■ 72.5620, 89.7591,
46.7590

■ 10.4244, 4.8742,
33.6496

■ 75.0901, 91.0624,
46.8773

Harmonies

Analogous

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



32.7129, 34.3627, 38.3612



32.8701, 34.3627, 38.1579



32.9715, 34.3627, 37.7560

Triad

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



32.8701, 34.3627, 38.1579



32.7795, 34.3627, 36.5350



32.3342, 34.3627, 37.5646

Complementary

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



32.8701, 34.3627, 38.1579



33.0417, 34.9820, 37.3602

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.



32.3519, 34.3627, 37.0763



32.8701, 34.3627, 38.1579



32.6086, 34.3627, 36.4847

Square

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



32.8701, 34.3627, 38.1579



32.9190, 34.3627, 36.8199



32.4522, 34.3627, 36.6821



32.4037, 34.3627, 38.0167

Rectangle

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



32.8701, 34.3627, 38.1579



32.9935, 34.3627, 37.4311



32.4522, 34.3627, 36.6821



32.3302, 34.3627, 37.3992

Sweetspot

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



32.8711, 34.3642, 38.1586



60.6688, 63.8283, 69.5090



32.8508, 34.6162, 38.2084



13.3056, 13.9985, 15.2444



76.7382, 80.7346, 87.9200

Same Dimension

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



32.8711, 34.3642, 38.1586



59.8634, 62.6560, 69.3252



33.0635, 34.4634, 38.1677



7.3517, 7.6984, 8.5052



7.5641, 3.3285, 26.1510



0.1840, 0.0847, 0.4699

Inverse Universe

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



32.9833, 34.4320, 37.7102



60.0298, 62.7567, 68.6599



32.8507, 34.8836, 37.3513



7.3702, 7.7096, 8.4312



12.4462, 6.2831, 6.6008



0.2439, 0.1209, 0.2304

Previews

White Background



This preview shows how the XYZ color 32.8701, 34.3627, 38.1579 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 32.8701, 34.3627, 38.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

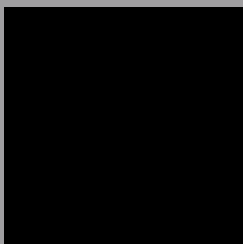
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

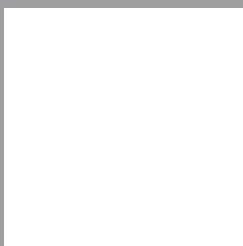
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8701, 34.3627, 38.1579

Background



This preview shows how black text looks on a background with the XYZ color 32.8701, 34.3627, 38.1579.

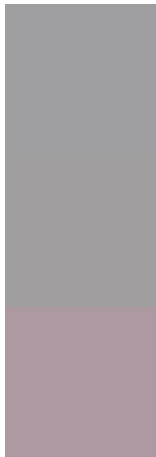


This preview shows how white text looks on a background with the XYZ color 32.8701, 34.3627,

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

32.8701, 34.3627, 38.1579

Protanopia

33.2700, 34.5689, 38.1766

Deuteranopia

34.8375, 34.1263, 38.4691



Tritanopia

33.7156, 34.4521, 42.4090

Trichromacy



Original Color

32.8701, 34.3627, 38.1579

Protanomaly

33.0692, 34.4654, 38.1673

Deuteranomaly

34.0907, 34.2314, 38.5288

Tritanomaly

33.4371, 34.3407, 40.9425

Monochromacy



Original Color

32.8701, 34.3627, 38.1579

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9542, 34.6704, 37.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8701, 34.3627, 38.1579 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(159, 158, 160)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 160)  
}
```

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(159, 158, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 160) }
```

Border

The CSS property to change the border of an element to XYZ 32.8701, 34.3627, 38.1579 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(159, 158, 160) }
```

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

```
.border{ border-color:rgb(159, 158, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 160);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
160) }
```


Background

The CSS property to change the background color of an element to XYZ 32.8701, 34.3627, 38.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 160) }
```

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

```
.background{ background-color: rgb(159,  
158, 160) }
```

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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