

Converting Colors

XYZ(33.8855, 34.9498, 38.8276)

Have a look what the booklet for
XYZ(33.8855, 34.9498, 38.8276)
contains.

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Color

**XYZ(33.7641, 34.8135,
38.6583)**

Conversions

Conversions Part 1

Format	Color
Hex	A39EA1
RGB	163, 158, 161
RGB Percent	64%, 62%, 63%
CMY	0.3608, 0.3804, 0.3686
CMYK	0.00, 0.03, 0.01, 0.36
HSL	324°, 3%, 63%
HSV	324°, 3%, 64%
XYZ	33.7641, 34.8135, 38.6583
YIQ	159.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

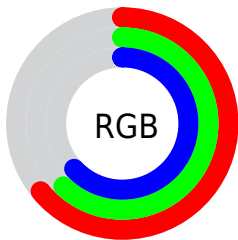
Format	Color
RYB	163, 158, 161
Decimal	10722977
CIELab	65.60, 2.38, -0.92
CIELCh	66, 2.549, 338.730
Yxy	34.8135, 0.3149, 0.3246
Android (android.graphics.Color)	4288913057 (0xFFA39EA1)
YUV	159.8370, 0.5734, 2.7740
Hunter-Lab	59.0030, -1.1096, 2.4557

Details

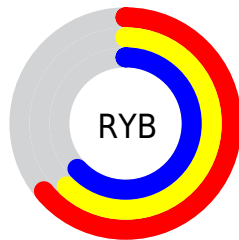
The XYZ color **33.7641, 34.8135, 38.6583** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5442, 36.0024, 38.4406**, and the grayscale version is **33.3362, 35.0723, 38.1937**.

A 20% lighter version of the original color is **65.1024, 67.4518, 74.5540**, and **14.6277, 15.0207, 16.8802** is the 20% darker color. If you saturate the color by 10%, you get **30.6060, 29.3937, 34.8413**, and if you desaturate by 10%, it is **37.3230, 40.9859, 42.7579**.

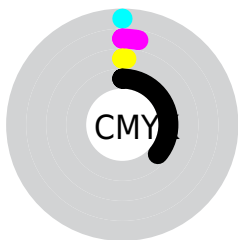
Distribution



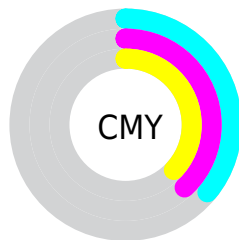
- Red (64%)
- Green (62%)
- Blue (63%)



- Red (64%)
- Yellow (62%)
- Blue (63%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (36%)



- Cyan (36%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7641, 34.8135, 38.6583 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 33.7641, 34.8135, 38.6583 by changing the saturation by 10% instead.

■ 33.7641, 34.8135,
38.6583

■ 33.7641, 34.8135,
38.6583

310.6834,
323.7444, 355.8180

■ 22.8745, 23.5192,
26.1882

■ 64.9134, 67.1967,
74.3306

■ 14.6210, 14.9774,
16.7375

■ 85.9037, 89.0545,
98.3699

■ 8.6384, 8.8035,
9.8875

110.9917,
115.2023, 127.1027

■ 4.5613, 4.6132,
5.2198

140.5427,
146.0244, 160.9476

■ 2.0243, 2.0222,
2.3158

174.9220,
181.9053, 200.3230

■ 0.6476, 0.6203,
0.7401

214.4949,

■ 0.0000, 0.0000,

223.2293, 245.6475

0.0000

259.6269,
270.3809, 297.3397

■ 33.7641, 34.8135,
38.6583

■ 33.7641, 34.8135,
38.6583

■ 30.6060, 29.3937,
34.8413

■ 37.3230, 40.9859,
42.7579

■ 27.8309, 24.6930,
31.2974

■ 41.2937, 47.9337,
47.1446

■ 25.4240, 20.6820,
28.0197

■ 45.6906, 55.6846,
51.8258

■ 23.3682, 17.3276,
25.0004

■ 50.5265, 64.2632,
56.8079

■ 21.6453, 14.5938,
22.2309

■ 55.8136, 73.6934,
62.0969

■ 20.2352, 12.4414,
19.7020

■ 61.3063, 83.4834,
67.6131

■ 19.1154, 10.8264,
17.4038

■ 62.0860, 83.7952,
71.7188

■ 18.2606, 9.6986,
15.3250

■ 62.8986, 84.1203,
75.9980

■ 17.6403, 8.9981,
13.4530

■ 63.7445, 84.4587,
80.4527

Harmonies

Analogous

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



33.5413, 34.8135, 39.5360



33.7641, 34.8135, 38.6583



33.8053, 34.8135, 37.5942

Triad

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



33.7641, 34.8135, 38.6583



32.9801, 34.8135, 35.9058



32.5312, 34.8135, 39.2096

Complementary

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



33.7641, 34.8135, 38.6583



33.5442, 36.0024, 38.4406

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.



32.3832, 34.8135, 38.2195



33.7641, 34.8135, 38.6583



32.6411, 34.8135, 36.3214

Square

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



33.7641, 34.8135, 38.6583



33.3508, 34.8135, 36.0183



32.4233, 34.8135, 37.1635



32.8289, 34.8135, 39.8585

Rectangle

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



33.7641, 34.8135, 38.6583



33.7240, 34.8135, 36.9243



32.4233, 34.8135, 37.1635



32.4624, 34.8135, 38.9049

Sweetspot

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



33.7651, 34.8150, 38.6591



61.7153, 64.5015, 70.6959



33.3363, 34.5734, 39.5670



13.8690, 14.5007, 15.8874



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.7651, 34.8150, 38.6591



59.8674, 61.3109, 68.5224



33.5470, 34.7278, 37.5106



7.5822, 7.7355, 8.6765



13.4665, 6.7427, 9.6471



0.3054, 0.1506, 0.3207

Inverse Universe

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



33.7651, 34.8150, 38.6591



59.8674, 61.3109, 68.5224



33.7649, 36.0906, 39.6030



7.5822, 7.7355, 8.6765



13.4665, 6.7427, 9.6471



0.3054, 0.1506, 0.3207

Previews

White Background



This preview shows how the XYZ color 33.7641, 34.8135, 38.6583 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 33.7641, 34.8135, 38.6583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

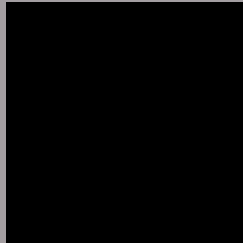
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7641, 34.8135, 38.6583

Background



This preview shows how black text looks on a background with the XYZ color 33.7641, 34.8135, 38.6583.



This preview shows how white text looks on a background with the XYZ color 33.7641, 34.8135,

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

33.7641, 34.8135, 38.6583

Protanopia

33.3578, 34.6040, 38.6393

Deuteranopia

35.5327, 34.7185, 39.0110



Tritanopia

34.5282, 34.8710, 42.4471

Trichromacy



Original Color

33.7641, 34.8135, 38.6583

Protanomaly

33.5602, 34.7083, 38.6488

Deuteranomaly

34.8205, 34.5974, 39.0251

Tritanomaly

34.2497, 34.7596, 40.9805

Monochromacy



Original Color

33.7641, 34.8135, 38.6583

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4412, 34.9114, 38.2337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7641, 34.8135, 38.6583 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(163, 158, 161)` looks like.

```
.text, #text, p{  
    color:rgb(163, 158, 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(163, 158, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 158, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.7641, 34.8135, 38.6583 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(163, 158, 161) }
```


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

```
.border{ border-color:rgb(163, 158, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 158, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 158, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 158, 161);  
box-shadow:4px 4px 4px 4px rgb(163, 158,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7641, 34.8135, 38.6583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 158, 161) }
```

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

```
.background{ background-color: rgb(163,  
158, 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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