

Converting Colors

XYZ(32.8055, 34.7288, 38.0275)

Have a look what the booklet for
XYZ(32.8055, 34.7288, 38.0275)
contains.

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Color

**XYZ(33.0165, 34.9488,
38.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA0A0
RGB	158, 160, 160
RGB Percent	62%, 63%, 63%
CMY	0.3804, 0.3725, 0.3725
CMYK	0.01, 0.00, 0.00, 0.37
HSL	180°, 1%, 62%
HSV	180°, 1%, 63%
XYZ	33.0165, 34.9488, 38.2633
YIQ	159.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

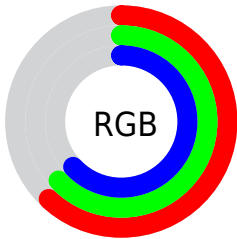
Format	Color
RYB	158, 159, 160
Decimal	10395808
CIELab	65.71, -0.71, -0.26
CIELCh	66, 0.758, 199.945
Yxy	34.9488, 0.3108, 0.3290
Android (android.graphics.Color)	4288585888 (0xFF9EA0A0)
YUV	159.4020, 0.2948, -1.2296
Hunter-Lab	59.1175, -3.7653, 3.0073

Details

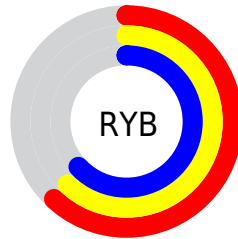
The XYZ color **33.0165, 34.9488, 38.2633** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8969, 34.3968, 37.2549**, and the grayscale version is **33.1386, 34.8644, 37.9673**.

A 20% lighter version of the original color is **64.0068, 67.6533, 73.9749**, and **14.2924, 15.1672, 16.6423** is the 20% darker color. If you saturate the color by 10%, you get **30.0701, 33.4311, 38.1154**, and if you desaturate by 10%, it is **36.3747, 36.6807, 38.4319**.

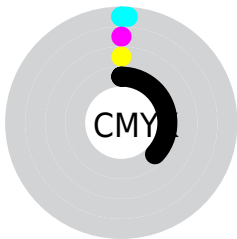
Distribution



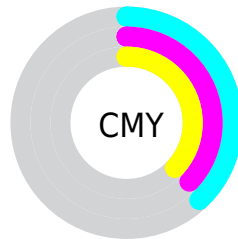
- Red (62%)
- Green (63%)
- Blue (63%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0165, 34.9488, 38.2633 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 33.0165, 34.9488, 38.2633 by changing the saturation by 10% instead.

■ 33.0165, 34.9488,
38.2633

■ 33.0165, 34.9488,
38.2633

307.3877,
324.3423, 354.0801

■ 22.2984, 23.6234,
25.8837

■ 63.7558, 67.4064,
73.7194

■ 14.1941, 15.0545,
16.5117

■ 84.5077, 89.3075,
97.6330

■ 8.3384, 8.8577,
9.7287

109.3349,
115.5026, 126.2284

■ 4.3659, 4.6485,
5.1162

138.6027,
146.3761, 159.9240

■ 1.9111, 2.0425,
2.2557

172.6766,
182.3125, 199.1384

■ 0.5833, 0.6320,
0.7062

211.9218,

■ 0.0000, 0.0000,

223.6960, 244.2902

0.0000

256.7037,
270.9111, 295.7979

■ 33.0165, 34.9488,
38.2633

■ 33.0165, 34.9488,
38.2633

■ 30.0701, 33.4311,
38.1154

■ 36.3747, 36.6807,
38.4319

■ 27.5168, 32.1151,
37.9852

■ 40.1565, 38.6301,
38.6196

■ 25.3410, 30.9936,
37.8726

■ 44.3771, 40.8057,
38.8279

■ 23.5246, 30.0575,
37.7769

■ 49.0500, 43.2144,
39.0573

■ 22.0483, 29.2966,
37.6970

■ 54.1879, 45.8629,
39.3085

■ 20.8909, 28.7003,
37.6321

■ 59.8034, 48.7575,
39.5821

■ 20.0290, 28.2561,
37.5811

■ 60.1712, 48.9469,
39.6101

■ 19.4357, 27.9505,
37.5426

■ 60.1732, 48.9477,
39.6209

■ 19.0793, 27.7670,
37.5152

■ 60.1753, 48.9485,
39.6318

Harmonies

Analogous

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



33.0070, 34.9488, 37.9461



33.0165, 34.9488, 38.2633



33.0799, 34.9488, 38.5256

Triad

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



33.0165, 34.9488, 38.2633



33.3823, 34.9488, 38.4501



33.2553, 34.9488, 37.4514

Complementary

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



33.0165, 34.9488, 38.2633



32.8969, 34.3968, 37.2549

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.



33.3561, 34.9488, 37.5849



33.0165, 34.9488, 38.2633



33.4295, 34.9488, 38.1607

Square

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



33.0165, 34.9488, 38.2633



33.2910, 34.9488, 38.6339



33.4199, 34.9488, 37.8441



33.1446, 34.9488, 37.4786

Rectangle

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



33.0165, 34.9488, 38.2633



33.1443, 34.9488, 38.6335



33.4199, 34.9488, 37.8441



33.2914, 34.9488, 37.4790

Sweetspot

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



33.0175, 34.9503, 38.2641



60.6688, 63.8283, 69.5090



32.8504, 34.8842, 37.3501



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.



33.0175, 34.9503, 38.2641



59.4995, 63.2256, 69.4503



32.8506, 34.6160, 38.2097



7.3112, 7.7617, 8.5191



14.7194, 21.5557, 29.2090



0.2633, 0.3855, 0.5229

Inverse Universe

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



32.8969, 34.3968, 37.2549



59.1448, 61.5974, 66.4818



33.0625, 34.7283, 37.3088



7.2717, 7.5805, 8.1887



11.2942, 5.8223, 0.5346



0.2020, 0.1041, 0.0101

Previews

White Background



This preview shows how the XYZ color 33.0165, 34.9488, 38.2633 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 33.0165, 34.9488, 38.2633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

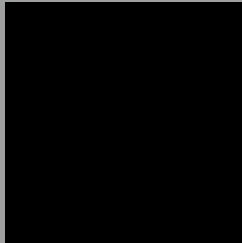
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

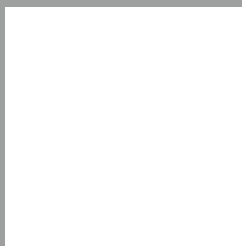
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0165, 34.9488, 38.2633

Background



This preview shows how black text looks on a background with the XYZ color 33.0165, 34.9488, 38.2633.



This preview shows how white text looks on a background with the XYZ color 33.0165, 34.9488,

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

33.0165, 34.9488, 38.2633

Protanopia

33.5564, 34.9809, 37.7843

Deuteranopia

35.4442, 34.6831, 38.5446



Tritanopia

34.0748, 34.8676, 43.4623

Trichromacy



Original Color

33.0165, 34.9488, 38.2633

Protanomaly

33.3541, 34.8765, 37.7748

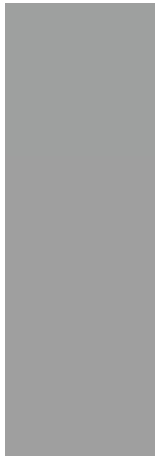
Deuteranomaly

34.4699, 34.6750, 38.5944

Tritanomaly

33.6713, 34.9572, 41.5320

Monochromacy



Original Color

33.0165, 34.9488, 38.2633

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 33.0165, 34.9488, 38.2633 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(158, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 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(158, 160, 160) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 33.0165, 34.9488, 38.2633 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(158, 160, 160) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 33.0165, 34.9488, 38.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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