

Converting Colors

XYZ(33.3688, 35.3617, 38.8398)

Have a look what the booklet for
XYZ(33.3688, 35.3617, 38.8398)
contains.

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Color

**XYZ(33.2784, 35.3320,
38.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA1A1
RGB	158, 161, 161
RGB Percent	62%, 63%, 63%
CMY	0.3804, 0.3686, 0.3686
CMYK	0.02, 0.00, 0.00, 0.37
HSL	180°, 2%, 63%
HSV	180°, 2%, 63%
XYZ	33.2784, 35.3320, 38.7840
YIQ	160.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

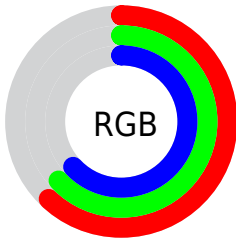
Format	Color
RYB	158, 160, 161
Decimal	10396065
CIELab	66.01, -1.07, -0.38
CIElCh	66, 1.135, 199.720
Yxy	35.3320, 0.3099, 0.3290
Android (android.graphics.Color)	4288586145 (0xFF9EA1A1)
YUV	160.1030, 0.4422, -1.8443
Hunter-Lab	59.4407, -4.0865, 2.9229

Details

The XYZ color **33.2784, 35.3320, 38.7840** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0976, 34.5003, 37.2642**, and the grayscale version is **33.4605, 35.2030, 38.3361**.

A 20% lighter version of the original color is **64.3911, 68.2157, 74.7389**, and **14.4538, 15.4034, 16.9632** is the 20% darker color. If you saturate the color by 10%, you get **30.3157, 33.8058, 38.6395**, and if you desaturate by 10%, it is **36.6581, 37.0751, 38.9494**.

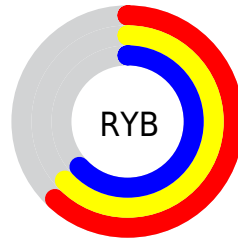
Distribution



Red (62%)

Green (63%)

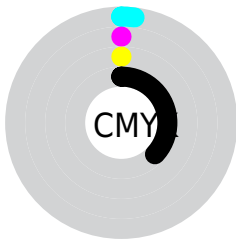
Blue (63%)



Red (62%)

Yellow (63%)

Blue (63%)

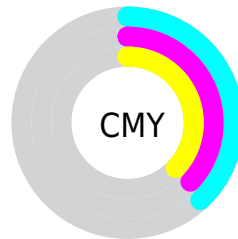


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (38%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2784, 35.3320, 38.7840 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 33.2784, 35.3320, 38.7840 by changing the saturation by 10% instead.

■ 33.2784, 35.3320,
38.7840

■ 33.2784, 35.3320,
38.7840

308.5452,
326.0313, 356.3698

■ 22.5001, 23.9187,
26.2852

■ 64.1617, 67.9998,
74.5249

■ 14.3435, 15.2733,
16.8094

■ 84.9974, 90.0231,
98.6041

■ 8.4432, 9.0115,
9.9382

109.9162,
116.3518, 127.3806

■ 4.4340, 4.7487,
5.2529

139.2836,
147.3704, 161.2727

■ 1.9505, 2.1006,
2.3351

173.4648,
183.4633, 200.6992

■ 0.6059, 0.6649,
0.7508

212.8252,

■ 0.0000, 0.0000,

225.0148, 246.0785

0.0000

257.7303,
272.4094, 297.8292

■ 33.2784, 35.3320,
38.7840

■ 33.2784, 35.3320,
38.7840

■ 30.3157, 33.8058,
38.6395

■ 36.6581, 37.0751,
38.9494

■ 27.7509, 32.4838,
38.5130

■ 40.4668, 39.0385,
39.1342

■ 25.5680, 31.3586,
38.4043

■ 44.7200, 41.2309,
39.3398

■ 23.7488, 30.4209,
38.3126

■ 49.4313, 43.6595,
39.5668

■ 22.2734, 29.6604,
38.2371

■ 54.6139, 46.3311,
39.8159

■ 21.1203, 29.0661,
38.1766

■ 60.2804, 49.2521,
40.0876

■ 20.2653, 28.6255,
38.1300

■ 60.4274, 49.3278,
40.1010

■ 19.6810, 28.3244,
38.0962

■ 60.4287, 49.3283,
40.1076

■ 19.3348, 28.1461,
38.0734

■ 60.4299, 49.3288,
40.1142

Harmonies

Analogous

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



33.2647, 35.3320, 38.3054



33.2784, 35.3320, 38.7840



33.3733, 35.3320, 39.1817

Triad

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



33.2784, 35.3320, 38.7840



33.8294, 35.3320, 39.0726



33.6398, 35.3320, 37.5661

Complementary

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



33.2784, 35.3320, 38.7840



33.0976, 34.5003, 37.2642

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.



33.7916, 35.3320, 37.7681



33.2784, 35.3320, 38.7840



33.9013, 35.3320, 38.6361

Square

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



33.2784, 35.3320, 38.7840



33.6913, 35.3320, 39.3493



33.8875, 35.3320, 38.1588



33.4730, 35.3320, 37.6050

Rectangle

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



33.2784, 35.3320, 38.7840



33.4700, 35.3320, 39.3461



33.8875, 35.3320, 38.1588



33.6943, 35.3320, 37.6080

Sweetspot

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



33.2794, 35.3335, 38.7848



60.0804, 63.5250, 69.4803



33.0278, 35.2340, 37.4083



13.1841, 13.9359, 15.2384



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.



33.2794, 35.3335, 38.7848



59.4998, 63.2257, 69.4519



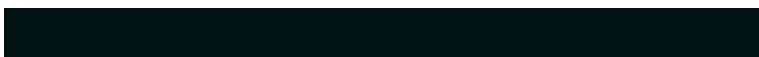
33.0275, 34.8293, 38.7019



7.8005, 8.2816, 9.0902



15.3069, 22.4091, 30.3965



0.3217, 0.4709, 0.6391

Inverse Universe

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



33.0976, 34.5003, 37.2642



59.1445, 61.5973, 66.4803



33.3464, 34.9983, 37.3460



7.7581, 8.0873, 8.7356



11.7395, 6.0519, 0.5531



0.2467, 0.1272, 0.0120

Previews

White Background



This preview shows how the XYZ color 33.2784, 35.3320, 38.7840 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 33.2784, 35.3320, 38.7840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

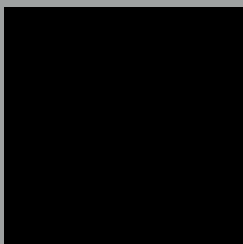
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2784, 35.3320, 38.7840

Background



This preview shows how black text looks on a background with the XYZ color 33.2784, 35.3320, 38.7840.



This preview shows how white text looks on a background with the XYZ color 33.2784, 35.3320,

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

33.2784, 35.3320, 38.7840

Protanopia

34.0202, 35.4662, 38.3103

Deuteranopia

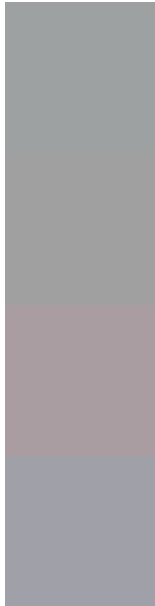
35.9221, 35.1653, 39.0767



Tritanopia

34.3417, 35.2484, 44.0233

Trichromacy



Original Color

33.2784, 35.3320, 38.7840

Protanomaly

33.6139, 35.2567, 38.2913

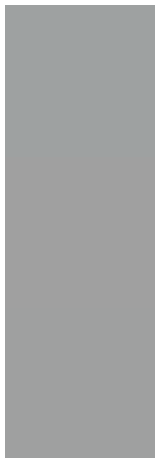
Deuteranomaly

34.9407, 35.1576, 39.1269

Tritanomaly

33.9368, 35.3397, 42.0784

Monochromacy



Original Color

33.2784, 35.3320, 38.7840

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2140, 35.0506, 38.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2784, 35.3320, 38.7840 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, 161, 161)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 33.2784, 35.3320, 38.7840 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, 161, 161) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 33.2784, 35.3320, 38.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(158,  
161, 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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