

Converting Colors

XYZ(35.3519, 36.0036, 38.0986)

Have a look what the booklet for
XYZ(35.3519, 36.0036, 38.0986)
contains.

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Color

**XYZ(35.2337, 35.8455,
37.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9F9F
RGB	170, 159, 159
RGB Percent	67%, 62%, 62%
CMY	0.3333, 0.3765, 0.3765
CMYK	0.00, 0.06, 0.06, 0.33
HSL	0°, 6%, 65%
HSV	0°, 6%, 67%
XYZ	35.2337, 35.8455, 37.8628
YIQ	162.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

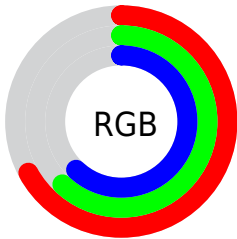
Format	Color
R_{YB}	170, 159, 159
Decimal	11181983
CIE Lab	66.40, 4.00, 1.43
CIE LCh	66, 4.246, 19.681
Yxy	35.8455, 0.3234, 0.3290
Android (android.graphics.Color)	4289372063 (0xFFAA9F9F)
YUV	162.2890, -1.6215, 6.7625
Hunter-Lab	59.8711, 0.2715, 4.4145

Details

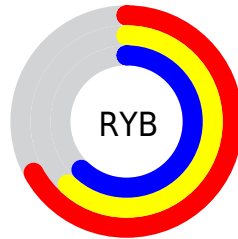
The XYZ color **35.2337, 35.8455, 37.8628** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9285, 39.0221, 43.6690**, and the grayscale version is **34.4842, 36.2800, 39.5089**.

A 20% lighter version of the original color is **67.2355, 68.9557, 73.3844**, and **15.5405, 15.6594, 16.3908** is the 20% darker color. If you saturate the color by 10%, you get **31.1346, 29.8477, 29.7119**, and if you desaturate by 10%, it is **39.9397, 42.7314, 47.2179**.

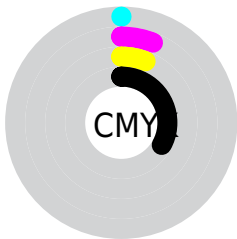
Distribution



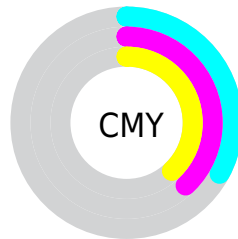
- Red (67%)
- Green (62%)
- Blue (62%)



- Red (67%)
- Yellow (62%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (33%)





- Cyan (33%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2337, 35.8455, 37.8628 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 35.2337, 35.8455, 37.8628 by changing the saturation by 10% instead.


 35.2337, 35.8455,
37.8628


 35.2337, 35.8455,
37.8628


317.0886,
328.2848, 352.3116

 24.0103, 24.3149,
25.5752


 67.1793, 68.7935,
73.0989

 15.4660, 15.5674,
16.2832

 88.6322, 90.9798,
96.8845

 9.2356, 9.2185,
9.5683


114.2257,
117.4866, 125.3398

 4.9535, 4.8840,
5.0118

144.3250,
148.6986, 158.8834

 2.2545, 2.1794,
2.1953

179.2956,
184.9999, 197.9339

 0.7712, 0.7087,
0.6717

219.5029,

 0.0000, 0.0000,

226.7752, 242.9097

0.0000

265.3121,
274.4086, 294.2294

■ 35.2337, 35.8455,
37.8628

■ 35.2337, 35.8455,
37.8628

■ 31.1346, 29.8477,
29.7119

■ 39.9397, 42.7314,
47.2179

■ 27.6147, 24.6973,
22.7140

■ 45.2725, 50.5344,
57.8209

■ 24.6489, 20.3575,
16.8179

■ 51.2553, 59.2883,
69.7161

■ 22.2090, 16.7873,
11.9675

■ 57.9087, 69.0234,
82.9449

■ 20.2643, 13.9415,
8.1016

■ 65.2527, 79.7689,
97.5471

■ 18.7809, 11.7707,
5.1531

■ 70.3878, 87.2861,
107.7458

■ 17.7207, 10.2192,
3.0461

■ 17.0396, 9.2223,
1.6926

■ 16.6762, 8.6905,
0.9708

Harmonies

Analogous

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



35.2865, 35.8455, 39.6599



35.2337, 35.8455, 37.8628



34.8669, 35.8455, 36.4216

Triad

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



35.2337, 35.8455, 37.8628



33.1468, 35.8455, 36.8087



33.8517, 35.8455, 42.5751

Complementary

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



35.2337, 35.8455, 37.8628



35.9285, 39.0221, 43.6690

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.



33.2855, 35.8455, 41.7594



35.2337, 35.8455, 37.8628



32.8819, 35.8455, 38.4061

Square

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



35.2337, 35.8455, 37.8628



33.6602, 35.8455, 35.8262



32.9324, 35.8455, 40.2202



34.4833, 35.8455, 42.4186

Rectangle

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



35.2337, 35.8455, 37.8628



34.4962, 35.8455, 35.8388



32.9324, 35.8455, 40.2202



33.6475, 35.8455, 42.4045

Sweetspot

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



35.2347, 35.8471, 37.8636



67.5762, 70.3767, 75.9500



36.2319, 36.2452, 43.1170



15.0909, 15.7252, 16.9792



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



35.2347, 35.8471, 37.8636



62.6078, 63.1068, 66.0720



36.2012, 37.7800, 38.1857



7.5313, 7.5426, 7.8482



12.1951, 6.2874, 0.5708



0.2968, 0.1531, 0.0139

Inverse Universe

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



35.9285, 39.0221, 43.6690



64.1748, 70.2782, 79.1846



34.9194, 37.0040, 43.3327



7.7474, 8.5317, 9.6568



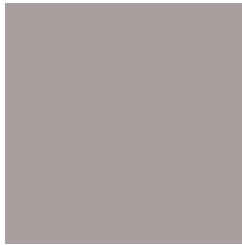
15.9057, 23.2716, 31.6290



0.3870, 0.5663, 0.7696

Previews

White Background



This preview shows how the XYZ color 35.2337, 35.8455, 37.8628 looks on a white background.

Color Contrast Check

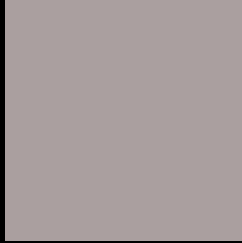
Large Text (above 18pt) WCAG AA × Fail

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 35.2337, 35.8455, 37.8628 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 35.2337, 35.8455, 37.8628

Background



This preview shows how black text looks on a background with the XYZ color 35.2337, 35.8455, 37.8628.



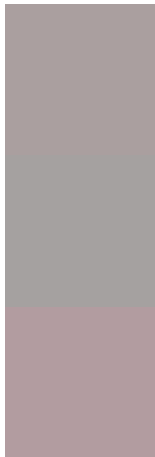
This preview shows how white text looks on a background with the XYZ color 35.2337, 35.8455,

37.8628.

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

35.2337, 35.8455, 37.8628

Protanopia

34.6071, 36.0271, 38.3876

Deuteranopia

36.5937, 35.7800, 38.2352



Tritanopia

36.3259, 35.7869, 43.0232

Trichromacy



Original Color

35.2337, 35.8455, 37.8628

Protanomaly

34.8523, 35.8952, 38.3493

Deuteranomaly

36.0813, 35.7660, 38.2595

Tritanomaly

35.9044, 35.8648, 41.1066

Monochromacy



Original Color

35.2337, 35.8455, 37.8628

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.6949, 36.0623, 38.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2337, 35.8455, 37.8628 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(170, 159, 159)` looks like.

```
.text, #text, p{  
  color:rgb(170, 159, 159)  
}
```

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(170, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 159) }
```

Border

The CSS property to change the border of an element to XYZ 35.2337, 35.8455, 37.8628 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(170, 159, 159) }
```


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

```
.border{ border-color:rgb(170, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2337, 35.8455, 37.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 159) }
```

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

```
.background{ background-color: rgb(170,  
159, 159) }
```

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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