

Converting Colors

XYZ(33.1975, 34.9490, 37.7976)

Have a look what the booklet for
XYZ(33.1975, 34.9490, 37.7976)
contains.

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Color

**XYZ(33.3260, 35.1184,
37.8229)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A09F
RGB	160, 160, 159
RGB Percent	63%, 63%, 62%
CMY	0.3725, 0.3725, 0.3765
CMYK	0.00, 0.00, 0.01, 0.37
HSL	60°, 1%, 63%
HSV	60°, 1%, 63%
XYZ	33.3260, 35.1184, 37.8229
YIQ	159.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

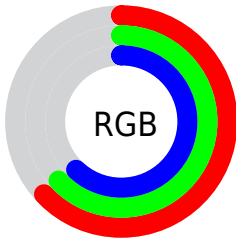
Format	Color
RYB	159, 160, 159
Decimal	10526879
CIELab	65.84, -0.19, 0.51
CIELCh	66, 0.545, 110.025
Yxy	35.1184, 0.3136, 0.3305
Android (android.graphics.Color)	4288716959 (0xFFA0A09F)
YUV	159.8860, -0.4368, 0.1000
Hunter-Lab	59.2608, -3.3248, 3.6410

Details

The XYZ color **33.3260, 35.1184, 37.8229** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0427, 34.7062, 38.2170**, and the grayscale version is **33.3638, 35.1013, 38.2253**.

A 20% lighter version of the original color is **64.4624, 67.9030, 73.3274**, and **14.4821, 15.2712, 16.3717** is the 20% darker color. If you saturate the color by 10%, you get **32.0173, 34.5949, 30.9769**, and if you desaturate by 10%, it is **34.8164, 35.7168, 45.6172**.

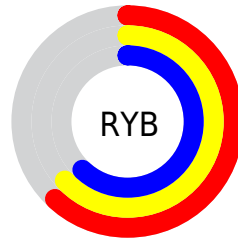
Distribution



Red (63%)

Green (63%)

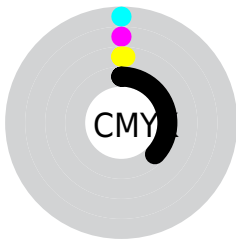
Blue (62%)



Red (62%)

Yellow (63%)

Blue (62%)

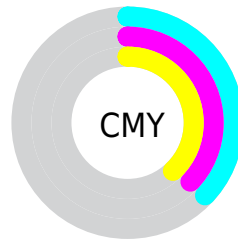


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3260, 35.1184, 37.8229 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 33.3260, 35.1184, 37.8229 by changing the saturation by 10% instead.

■ 33.3260, 35.1184,
37.8229

■ 33.3260, 35.1184,
37.8229

308.7552,
325.0906, 352.1350

■ 22.5367, 23.7541,
25.5445

■ 64.2354, 67.6691,
73.0370

■ 14.3706, 15.1513,
16.2605

■ 85.0863, 89.6244,
96.8098

■ 8.4623, 8.9256,
9.5523

110.0218,
115.8787, 125.2512

■ 4.4464, 4.6927,
5.0015

139.4072,
146.8165, 158.7796

■ 1.9577, 2.0681,
2.1894

173.6079,
182.8222, 197.8137

■ 0.6100, 0.6466,
0.6682

212.9892,

■ 0.0000, 0.0000,

224.2802, 242.7719

0.0000

257.9165,
271.5749, 294.0728

■ 33.3260, 35.1184,
37.8229

■ 33.3260, 35.1184,
37.8229

■ 32.0173, 34.5949,
30.9769

■ 34.8164, 35.7168,
45.6172

■ 30.8806, 34.1391,
25.0407

■ 36.4922, 36.3882,
54.3916

■ 29.9095, 33.7496,
19.9768

■ 38.3603, 37.1365,
64.1792

■ 29.0963, 33.4232,
15.7441

■ 40.4267, 37.9642,
75.0110

■ 28.4325, 33.1566,
12.2983

■ 42.6971, 38.8735,
86.9167

■ 27.9089, 32.9461,
9.5907

■ 45.1762, 39.8662,
99.9216

■ 27.5152, 32.7875,
7.5676

■ 45.1858, 39.8712,
99.9221

■ 27.2400, 32.6763,
6.1676

■ 45.1954, 39.8761,
99.9225

■ 27.0694, 32.6070,
5.3189

■ 45.2049, 39.8810,
99.9230

Harmonies

Analogous

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



33.4058, 35.1184, 37.8029



33.3260, 35.1184, 37.8229



33.2605, 35.1184, 37.9538

Triad

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



33.3260, 35.1184, 37.8229



33.2796, 35.1184, 38.5788



33.5317, 35.1184, 38.3148

Complementary

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



33.3260, 35.1184, 37.8229



33.0427, 34.7062, 38.2170

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.



33.4978, 35.1184, 38.5235



33.3260, 35.1184, 37.8229



33.3522, 35.1184, 38.6763

Square

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



33.3260, 35.1184, 37.8229



33.2337, 35.1184, 38.3900



33.4320, 35.1184, 38.6561



33.5247, 35.1184, 38.0863

Rectangle

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



33.3260, 35.1184, 37.8229



33.2337, 35.1184, 38.0867



33.4320, 35.1184, 38.6561



33.5247, 35.1184, 38.3896

Sweetspot

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



33.3270, 35.1199, 37.8237



60.6688, 63.8283, 69.5090



33.1544, 34.7739, 37.7660



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.



33.3270, 35.1199, 37.8237



60.4096, 63.7244, 68.1534



33.2275, 35.0686, 37.8190



7.4125, 7.8173, 8.3748



21.0121, 25.3688, 3.7892



0.3763, 0.4539, 0.0678

Inverse Universe

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



33.0427, 34.7062, 38.2170



59.5724, 62.5060, 69.3116



33.1418, 34.7572, 38.2216



7.3194, 7.6818, 8.5036



4.9481, 1.9799, 26.0286



0.0889, 0.0356, 0.4654

Previews

White Background



This preview shows how the XYZ color 33.3260, 35.1184, 37.8229 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 33.3260, 35.1184, 37.8229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

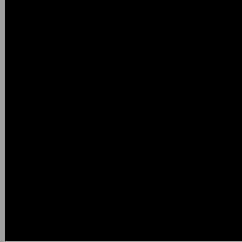
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3260, 35.1184, 37.8229

Background



This preview shows how black text looks on a background with the XYZ color 33.3260, 35.1184, 37.8229.



This preview shows how white text looks on a background with the XYZ color 33.3260, 35.1184,

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

33.3260, 35.1184, 37.8229

Protanopia

33.6739, 35.0514, 37.3385

Deuteranopia

35.7457, 35.0947, 38.1477



Tritanopia

34.4778, 35.0754, 43.4811

Trichromacy



Original Color

33.3260, 35.1184, 37.8229

Protanomaly

33.4700, 34.9463, 37.3290

Deuteranomaly

34.9797, 35.1981, 38.2080

Tritanomaly

34.0711, 35.1634, 41.5507

Monochromacy



Original Color

33.3260, 35.1184, 37.8229

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4132, 35.1533, 38.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3260, 35.1184, 37.8229 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(160, 160, 159)` looks like.

```
.text, #text, p{  
    color:rgb(160, 160, 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(160, 160, 159) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 33.3260, 35.1184, 37.8229 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(160, 160, 159) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 33.3260, 35.1184, 37.8229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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