

Converting Colors

XYZ(33.5891, 35.1634, 28.9104)

Have a look what the booklet for
XYZ(33.5891, 35.1634, 28.9104)
contains.

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Color

**XYZ(33.5631, 35.1773,
29.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9F8A
RGB	170, 159, 138
RGB Percent	67%, 62%, 54%
CMY	0.3333, 0.3765, 0.4588
CMYK	0.00, 0.06, 0.19, 0.33
HSL	39°, 16%, 60%
HSV	39°, 19%, 67%
XYZ	33.5631, 35.1773, 29.0657
YIQ	159.8950, 13.2970, -4.1990

Conversions

Conversions Part 2

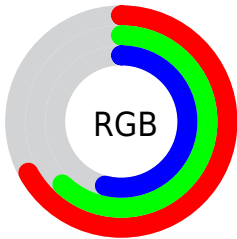
Format	Color
RYB	155, 170, 138
Decimal	11181962
CIELab	65.89, 0.45, 12.41
CIELCh	66, 12.415, 87.921
Yxy	35.1773, 0.3432, 0.3597
Android (android.graphics.Color)	4289372042 (0xFFAA9F8A)
YUV	159.8950, -10.7942, 8.8621
Hunter-Lab	59.3105, -2.7822, 12.4616

Details

The XYZ color **33.5631, 35.1773, 29.0657** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.4842, 29.7997, 42.2809**, and the grayscale version is **33.4099, 35.1498, 38.2781**.

A 20% lighter version of the original color is **64.5019, 67.8623, 58.9893**, and **14.5952, 15.2813, 11.4128** is the 20% darker color. If you saturate the color by 10%, you get **31.4468, 32.7623, 22.7559**, and if you desaturate by 10%, it is **35.9215, 37.7675, 36.4075**.

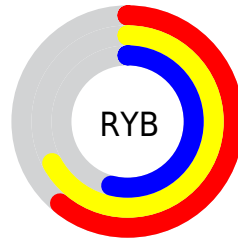
Distribution



Red (67%)

Green (62%)

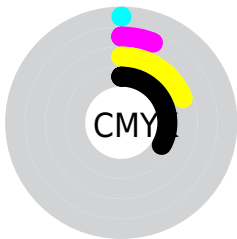
Blue (54%)



Red (61%)

Yellow (67%)

Blue (54%)

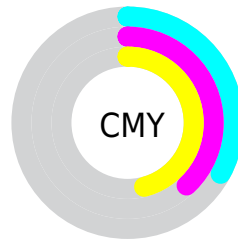


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (33%)



Cyan (33%)

Magenta (38%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5631, 35.1773, 29.0657 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 33.5631, 35.1773, 29.0657 by changing the saturation by 10% instead.

■ 33.5631, 35.1773,
29.0657

■ 33.5631, 35.1773,
29.0657

309.7998,
325.3502, 311.5955

■ 22.7195, 23.7995,
18.8845

■ 64.6025, 67.7603,
59.2249

■ 14.5060, 15.1849,
11.4109

■ 85.5289, 89.7344,
80.0400

■ 8.5575, 8.9493,
6.2263

■ 110.5471,
116.0092, 105.2368

■ 4.5085, 4.7081,
2.9122

140.0222,
146.9694, 135.2338

■ 1.9936, 2.0770,
1.0500

174.3197,
182.9991, 170.4497

■ 0.6304, 0.6517,
0.0000

213.8049,

■ 0.0000, 0.0000,

224.4829, 211.3029

0.0000

258.8431,
271.8052, 258.2120

■ 33.5631, 35.1773,
29.0657

■ 33.5631, 35.1773,
29.0657

■ 31.4468, 32.7623,
22.7559

■ 35.9215, 37.7675,
36.4075

■ 29.5601, 30.5130,
17.4287

■ 38.5281, 40.5327,
44.8234

■ 27.8936, 28.4256,
13.0336

■ 41.3924, 43.4790,
54.3556

■ 26.4363, 26.4947,
9.5152

■ 44.5225, 46.6106,
65.0436

■ 25.1757, 24.7141,
6.8117

■ 47.9258, 49.9314,
76.9248

■ 24.0979, 23.0772,
4.8534

■ 51.6100, 53.4454,
90.0350

■ 23.1868, 21.5764,
3.5587

■ 55.2579, 57.0267,
102.7026

■ 22.4126, 20.1986,
2.7749

■ 56.6359, 59.7828,
103.1619

■ 22.3259, 20.0426,
2.6919

■ 58.0662, 62.6433,
103.6387

Harmonies

Analogous

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



35.3439, 35.1773, 30.3625



33.5631, 35.1773, 29.0657



31.8099, 35.1773, 30.0497

Triad

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



33.5631, 35.1773, 29.0657



30.4134, 35.1773, 43.2311



36.5144, 35.1773, 43.9229

Complementary

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



33.5631, 35.1773, 29.0657



28.4842, 29.7997, 42.2809

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.



35.1144, 35.1773, 47.9420



33.5631, 35.1773, 29.0657



31.5960, 35.1773, 47.5176

Square

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



33.5631, 35.1773, 29.0657



30.0316, 35.1773, 37.9368



33.3072, 35.1773, 49.3133



37.0862, 35.1773, 38.6698

Rectangle

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



33.5631, 35.1773, 29.0657



30.8840, 35.1773, 31.9218



33.3072, 35.1773, 49.3133



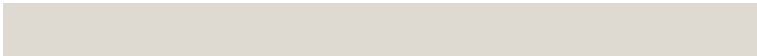
36.1226, 35.1773, 45.4805

Sweetspot

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



33.5640, 35.1789, 29.0664



66.4139, 69.8546, 70.0057



31.1071, 28.8998, 32.4566



14.7461, 15.5089, 15.4054



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.



33.5640, 35.1789, 29.0664



59.0803, 61.7756, 47.2505



34.5211, 38.6054, 29.6774



7.9266, 8.3332, 7.9800



16.4765, 14.8502, 1.9980



0.4457, 0.4509, 0.0635

Inverse Universe

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



28.4842, 29.7997, 42.2809



47.9810, 50.0239, 76.1286



27.6377, 26.9015, 41.7662



7.3347, 7.7064, 9.5192



6.5135, 4.4872, 28.4983



0.2059, 0.2041, 0.7092

Previews

White Background



This preview shows how the XYZ color 33.5631, 35.1773, 29.0657 looks on a white background.

Color Contrast Check

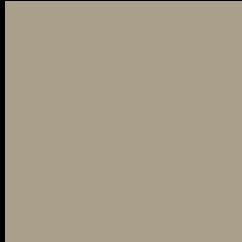
Large Text (above 18pt) WCAG AA × Fail

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 33.5631, 35.1773, 29.0657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

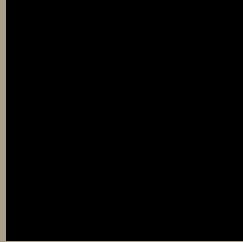
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5631, 35.1773, 29.0657

Background



This preview shows how black text looks on a background with the XYZ color 33.5631, 35.1773, 29.0657.



This preview shows how white text looks on a background with the XYZ color 33.5631, 35.1773,

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

33.5631, 35.1773, 29.0657

Protanopia

33.3067, 35.3014, 29.1032

Deuteranopia

35.7442, 35.0426, 29.3061



Tritanopia

36.1520, 35.2314, 41.4541

Trichromacy



Original Color

33.5631, 35.1773, 29.0657

Protanomaly

33.5204, 35.4116, 29.1132

Deuteranomaly

34.9088, 35.1060, 29.3623

Tritanomaly

35.1228, 35.0615, 36.3689

Monochromacy



Original Color

33.5631, 35.1773, 29.0657

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.5481, 35.3011, 34.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5631, 35.1773, 29.0657 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 138) }
```

Border

The CSS property to change the border of an element to XYZ 33.5631, 35.1773, 29.0657 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, 138) }
```


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

```
.border{ border-color:rgb(170, 159, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 138);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5631, 35.1773, 29.0657 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, 138) }
```

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

```
.background{ background-color: rgb(170,  
159, 138) }
```

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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