

Converting Colors

XYZ(33.1045, 35.1989, 29.6782)

Have a look what the booklet for
XYZ(33.1045, 35.1989, 29.6782)
contains.

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Color

**XYZ(33.0303, 35.1421,
29.8532)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A08C
RGB	166, 160, 140
RGB Percent	65%, 63%, 55%
CMY	0.3490, 0.3725, 0.4510
CMYK	0.00, 0.04, 0.16, 0.35
HSL	46°, 13%, 60%
HSV	46°, 16%, 65%
XYZ	33.0303, 35.1421, 29.8532
YIQ	159.5140, 9.9960, -4.9480

Conversions

Conversions Part 2

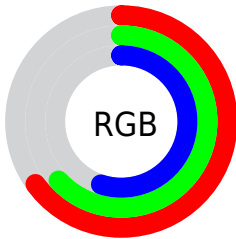
Format	Color
R_{YB}	148, 166, 140
Decimal	10920076
CIE _{Lab}	65.86, -1.31, 11.21
CIE _{LCh}	66, 11.284, 96.677
Yxy	35.1421, 0.3370, 0.3585
Android (android.graphics.Color)	4289110156 (0xFFA6A08C)
YUV	159.5140, -9.6204, 5.6882
Hunter-Lab	59.2808, -4.2840, 11.6387

Details

The XYZ color **33.0303, 35.1421, 29.8532** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.9769, 28.8857, 40.1775**, and the grayscale version is **33.2305, 34.9610, 38.0726**.

A 20% lighter version of the original color is **63.8568, 67.8681, 60.7732**, and **14.2535, 15.2529, 11.8657** is the 20% darker color. If you saturate the color by 10%, you get **31.2443, 33.3832, 23.6677**, and if you desaturate by 10%, it is **35.0233, 37.0188, 37.0196**.

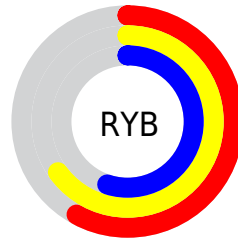
Distribution



Red (65%)

Green (63%)

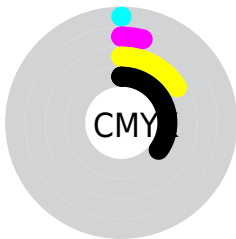
Blue (55%)



Red (58%)

Yellow (65%)

Blue (55%)

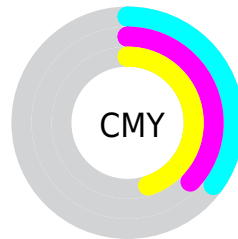


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (35%)



Cyan (35%)

Magenta (37%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0303, 35.1421, 29.8532 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 33.0303, 35.1421, 29.8532 by changing the saturation by 10% instead.

■ 33.0303, 35.1421,
29.8532

■ 33.0303, 35.1421,
29.8532

307.4488,
325.1951, 315.4056

■ 22.3090, 23.7724,
19.4761

■ 63.7772, 67.7058,
60.4882

■ 14.2020, 15.1648,
11.8345

■ 84.5335, 89.6686,
81.5832

■ 8.3439, 8.9352,
6.5099

■ 109.3655,
115.9312, 107.0878

■ 4.3695, 4.6989,
3.0838

138.6386,
146.8780, 137.4207

■ 1.9132, 2.0717,
1.1376

172.7181,
182.8934, 173.0004

■ 0.5845, 0.6486,
0.0000

211.9694,

■ 0.0000, 0.0000,

224.3618, 214.2454

0.0000

256.7579,
271.6676, 261.5743

■ 33.0303, 35.1421,
29.8532

■ 33.0303, 35.1421,
29.8532

■ 31.2443, 33.3832,
23.6677

■ 35.0233, 37.0188,
37.0196

■ 29.6541, 31.7339,
18.4175

■ 37.2284, 39.0122,
45.2054

■ 28.2516, 30.1918,
14.0564

■ 39.6540, 41.1271,
54.4498

■ 27.0269, 28.7526,
10.5337

■ 42.3072, 43.3665,
64.7893

■ 25.9692, 27.4118,
7.7933

■ 45.1948, 45.7335,
76.2586

■ 25.0664, 26.1641,
5.7725

■ 48.3232, 48.2310,
88.8907

■ 24.3046, 25.0038,
4.3986

■ 51.5044, 50.7839,
101.6954

■ 23.6655, 23.9231,
3.5771

■ 52.3263, 52.4278,
101.9694

■ 23.4083, 23.4717,
3.2967

■ 53.1701, 54.1153,
102.2507

Harmonies

Analogous

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



34.6864, 35.1421, 30.4398



33.0303, 35.1421, 29.8532



31.5238, 35.1421, 31.3652

Triad

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



33.0303, 35.1421, 29.8532



30.8968, 35.1421, 44.0115



36.4314, 35.1421, 42.0135

Complementary

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



33.0303, 35.1421, 29.8532



27.9769, 28.8857, 40.1775

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.



35.3524, 35.1421, 46.1063



33.0303, 35.1421, 29.8532



32.1488, 35.1421, 47.3252

Square

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



33.0303, 35.1421, 29.8532



30.3188, 35.1421, 39.3408



33.7755, 35.1421, 48.1220



36.6864, 35.1421, 37.2066

Rectangle

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



33.0303, 35.1421, 29.8532



30.7948, 35.1421, 33.4402



33.7755, 35.1421, 48.1220



36.1513, 35.1421, 43.5302

Sweetspot

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



33.0312, 35.1437, 29.8539



63.7810, 67.3855, 67.9819



30.2978, 28.9410, 31.2111



14.2153, 15.0264, 15.0018



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.0312, 35.1437, 29.8539



58.7088, 62.5790, 49.8350



32.6814, 36.5438, 30.1426



7.9980, 8.4761, 8.0038



18.1885, 18.2742, 2.5686



0.4775, 0.5146, 0.0742

Inverse Universe

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



27.9769, 28.8857, 40.1775



47.6613, 48.9017, 72.4022



28.2821, 27.7067, 39.9338



7.2670, 7.5709, 9.4967



5.9125, 3.2852, 28.2980



0.1809, 0.1541, 0.7009

Previews

White Background



This preview shows how the XYZ color 33.0303, 35.1421, 29.8532 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 33.0303, 35.1421, 29.8532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

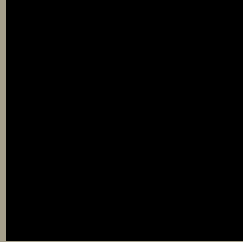
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0303, 35.1421, 29.8532

Background



This preview shows how black text looks on a background with the XYZ color 33.0303, 35.1421, 29.8532.



This preview shows how white text looks on a background with the XYZ color 33.0303, 35.1421,

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

33.0303, 35.1421, 29.8532

Protanopia

33.4529, 35.3599, 29.8729

Deuteranopia

35.6547, 34.9794, 30.0718



Tritanopia

35.5339, 35.1501, 41.9576

Trichromacy



Original Color

33.0303, 35.1421, 29.8532

Protanomaly

33.2408, 35.2506, 29.8630

Deuteranomaly

34.6007, 34.9301, 30.1178

Tritanomaly

34.5907, 35.0176, 37.2837

Monochromacy



Original Color

33.0303, 35.1421, 29.8532

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2209, 35.1229, 35.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0303, 35.1421, 29.8532 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(166, 160, 140)` looks like.

```
.text, #text, p{  
    color:rgb(166, 160, 140)  
}
```

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(166, 160, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 160, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.0303, 35.1421, 29.8532 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(166, 160, 140) }
```


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

```
.border{ border-color:rgb(166, 160, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 160, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 160, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 160, 140);  
box-shadow:4px 4px 4px 4px rgb(166, 160,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0303, 35.1421, 29.8532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 160, 140) }
```

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

```
.background{ background-color: rgb(166,  
160, 140) }
```

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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