

Converting Colors

XYZ(31.3770, 33.5455, 31.9430)

Have a look what the booklet for
XYZ(31.3770, 33.5455, 31.9430)
contains.

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Color

**XYZ(31.3458, 33.4584,
32.0001)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9D92
RGB	158, 157, 146
RGB Percent	62%, 62%, 57%
CMY	0.3804, 0.3843, 0.4274
CMYK	0.00, 0.01, 0.08, 0.38
HSL	55°, 6%, 60%
HSV	55°, 8%, 62%
XYZ	31.3458, 33.4584, 32.0001
YIQ	156.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

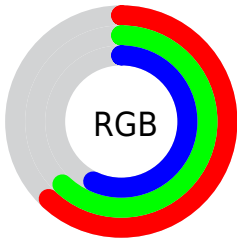
Format	Color
RYB	147, 158, 146
Decimal	10395026
CIELab	64.53, -1.66, 5.87
CIELCh	65, 6.105, 105.826
Yxy	33.4584, 0.3238, 0.3456
Android (android.graphics.Color)	4288585106 (0xFF9E9D92)
YUV	156.0450, -4.9522, 1.7145
Hunter-Lab	57.8432, -4.4948, 7.6898

Details

The XYZ color **31.3458, 33.4584, 32.0001** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.4592, 29.4464, 36.5318**, and the grayscale version is **31.6409, 33.2887, 36.2514**.

A 20% lighter version of the original color is **61.4094, 65.4032, 64.0310**, and **13.3288, 14.2784, 13.1198** is the 20% darker color. If you saturate the color by 10%, you get **29.9803, 32.5600, 25.8945**, and if you desaturate by 10%, it is **32.8854, 34.4324, 39.0027**.

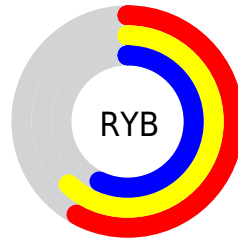
Distribution



Red (62%)

Green (62%)

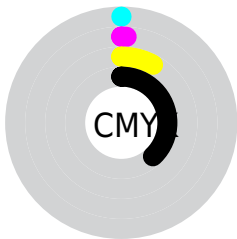
Blue (57%)



Red (58%)

Yellow (62%)

Blue (57%)

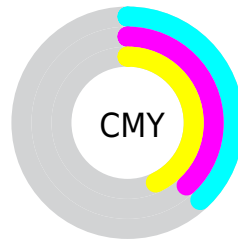


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3458, 33.4584, 32.0001 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 31.3458, 33.4584, 32.0001 by changing the saturation by 10% instead.

■ 31.3458, 33.4584,
32.0001

■ 31.3458, 33.4584,
32.0001

299.9268,
317.7103, 325.6124

■ 21.0154, 22.4778,
21.0968

■ 61.1562, 65.0905,
63.9092

■ 13.2478, 14.2084,
13.0028

■ 81.3670, 86.5109,
85.7519

■ 7.6776, 8.2658,
7.2997

105.6020,
112.1800, 112.0783

■ 3.9394, 4.2655,
3.5690

134.2264,
142.4823, 143.3068

■ 1.6679, 1.8231,
1.3920

167.6058,
177.8020, 179.8559

■ 0.4361, 0.5015,
0.1355

206.1054,

■ 0.0000, 0.0000,

218.5237, 222.1442

0.0000

250.0906,
265.0316, 270.5902

■ 31.3458, 33.4584,
32.0001

■ 31.3458, 33.4584,
32.0001

■ 29.9803, 32.5600,
25.8945

■ 32.8854, 34.4324,
39.0027

■ 28.7793, 31.7301,
20.6472

■ 34.6030, 35.4804,
46.9345

■ 27.7362, 30.9672,
16.2200

■ 36.5055, 36.6061,
55.8287

■ 26.8430, 30.2681,
12.5709

■ 38.5990, 37.8121,
65.7164

■ 26.0912, 29.6292,
9.6542

■ 40.8890, 39.1006,
76.6272

■ 25.4710, 29.0467,
7.4193

■ 43.3810, 40.4737,
88.5894

■ 24.9718, 28.5164,
5.8095

■ 45.8211, 41.8300,
100.2667

■ 24.5808, 28.0331,
4.7587

■ 46.0611, 42.3101,
100.3467

■ 24.2769, 27.5884,
4.1547

■ 46.3036, 42.7951,
100.4276

Harmonies

Analogous

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



32.2138, 33.4584, 31.9672



31.3458, 33.4584, 32.0001



30.6129, 33.4584, 33.1835

Triad

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



31.3458, 33.4584, 32.0001



30.6463, 33.4584, 39.9869



33.4559, 33.4584, 37.6199

Complementary

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



31.3458, 33.4584, 32.0001



28.4592, 29.4464, 36.5318

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.



33.0199, 33.4584, 39.8827



31.3458, 33.4584, 32.0001



31.3921, 33.4584, 41.2910

Square

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



31.3458, 33.4584, 32.0001



30.2141, 33.4584, 37.7568



32.2610, 33.4584, 41.2521



33.4430, 33.4584, 35.1356

Rectangle

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



31.3458, 33.4584, 32.0001



30.2949, 33.4584, 34.4979



32.2610, 33.4584, 41.2521



33.3567, 33.4584, 38.4340

Sweetspot

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



31.3467, 33.4599, 32.0008



58.4381, 61.7272, 64.9721



29.6463, 29.9339, 31.8195



13.1824, 13.9211, 14.6823



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.



31.3467, 33.4599, 32.0008



56.5123, 60.4955, 56.2529



30.5524, 33.3016, 32.0122



7.1230, 7.6261, 7.0822



19.4017, 22.0390, 3.2314



0.3594, 0.4190, 0.0619

Inverse Universe

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



28.4592, 29.4464, 36.5318



50.2431, 51.7818, 66.0902



29.2133, 29.6061, 36.5228



6.3268, 6.5194, 8.3316



5.0725, 2.2366, 26.0716



0.1022, 0.0629, 0.4700

Previews

White Background



This preview shows how the XYZ color 31.3458, 33.4584, 32.0001 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 31.3458, 33.4584, 32.0001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

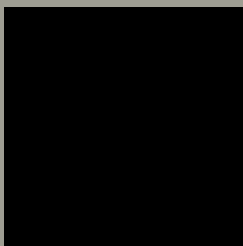
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

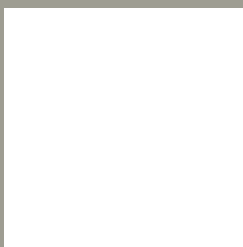
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3458, 33.4584, 32.0001

Background



This preview shows how black text looks on a background with the XYZ color 31.3458, 33.4584, 32.0001.



This preview shows how white text looks on a background with the XYZ color 31.3458, 33.4584,

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

31.3458, 33.4584, 32.0001

Protanopia

31.8996, 33.5026, 31.5734

Deuteranopia

34.0123, 33.3538, 32.2490



Tritanopia

33.1365, 33.4414, 40.7848

Trichromacy



Original Color

31.3458, 33.4584, 32.0001

Protanomaly

31.6972, 33.3983, 31.5640

Deuteranomaly

33.0199, 33.3241, 32.2956

Tritanomaly

32.4766, 33.4195, 37.5398

Monochromacy



Original Color

31.3458, 33.4584, 32.0001

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4606, 33.2120, 34.4582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3458, 33.4584, 32.0001 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, 157, 146)` looks like.

```
.text, #text, p{  
    color:rgb(158, 157, 146)  
}
```

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, 157, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 157, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.3458, 33.4584, 32.0001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

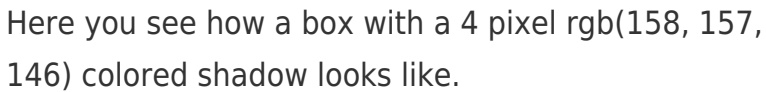
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 157, 146) }
```


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

```
.border{ border-color:rgb(158, 157, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 157, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 157, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 157, 146); box-shadow:4px 4px 4px 4px rgb(158, 157, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3458, 33.4584, 32.0001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 157, 146) }
```

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

```
.background{ background-color: rgb(158,  
157, 146) }
```

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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