

Converting Colors

XYZ(31.6833, 34.1370, 30.8631)

Have a look what the booklet for
XYZ(31.6833, 34.1370, 30.8631)
contains.

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Color

**XYZ(31.6541, 34.1504,
30.9099)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9F8F
RGB	159, 159, 143
RGB Percent	62%, 62%, 56%
CMY	0.3765, 0.3765, 0.4392
CMYK	0.00, 0.00, 0.10, 0.38
HSL	60°, 8%, 59%
HSV	60°, 10%, 62%
XYZ	31.6541, 34.1504, 30.9099
YIQ	157.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

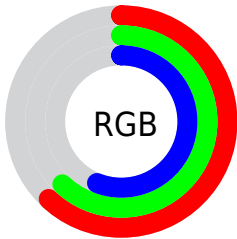
Format	Color
R _Y B	143, 159, 143
Decimal	10461071
CIE Lab	65.08, -2.91, 8.35
CIE LCh	65, 8.845, 109.227
Yxy	34.1504, 0.3273, 0.3531
Android (android.graphics.Color)	4288651151 (0xFF9F9F8F)
YUV	157.1760, -6.9888, 1.5996
Hunter-Lab	58.4383, -5.5796, 9.5465

Details

The XYZ color **31.6541, 34.1504, 30.9099** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.4096, 27.9887, 36.7605**, and the grayscale version is **32.1567, 33.8313, 36.8423**.

A 20% lighter version of the original color is **61.8562, 66.4205, 62.3836**, and **13.5227, 14.7036, 12.4813** is the 20% darker color. If you saturate the color by 10%, you get **30.5336, 33.7032, 25.0092**, and if you desaturate by 10%, it is **32.9472, 34.6689, 37.7114**.

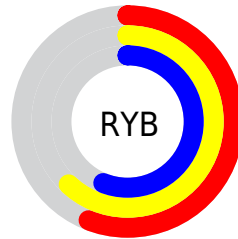
Distribution



Red (62%)

Green (62%)

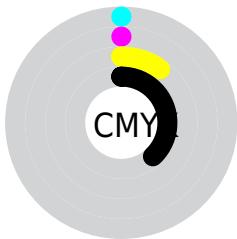
Blue (56%)



Red (56%)

Yellow (62%)

Blue (56%)

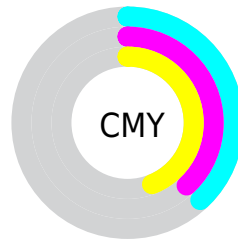


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6541, 34.1504, 30.9099 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 31.6541, 34.1504, 30.9099 by changing the saturation by 10% instead.

■ 31.6541, 34.1504,
30.9099

■ 31.6541, 34.1504,
30.9099

301.3139,
320.8022, 320.4613

■ 21.2517, 23.0092,
20.2724

■ 61.6373, 66.1675,
62.1761

■ 13.4216, 14.6003,
12.4071

■ 81.9488, 87.8121,
83.6418

■ 7.7985, 8.5393,
6.8957

106.2940,
113.7267, 109.5541

■ 4.0170, 4.4420,
3.3195

135.0384,
144.2956, 140.3313

■ 1.7118, 1.9237,
1.2600

168.5472,
179.9032, 176.3921

■ 0.4636, 0.5626,
0.0287

207.1858,

■ 0.0000, 0.0000,

220.9339, 218.1550

0.0000

251.3196,
267.7721, 266.0386

■ 31.6541, 34.1504,
30.9099

■ 31.6541, 34.1504,
30.9099

■ 30.5336, 33.7032,
25.0092

■ 32.9472, 34.6689,
37.7114

■ 29.5758, 33.3200,
19.9694

■ 34.4169, 35.2568,
45.4468

■ 28.7740, 32.9992,
15.7510

■ 36.0705, 35.9183,
54.1505

■ 28.1199, 32.7375,
12.3105

■ 37.9140, 36.6558,
63.8542

■ 27.6045, 32.5313,
9.6003

■ 39.9531, 37.4716,
74.5884

■ 27.2178, 32.3765,
7.5678

■ 42.1935, 38.3678,
86.3821

■ 26.9484, 32.2687,
6.1532

■ 44.6404, 39.3466,
99.2633

■ 26.7831, 32.2024,
5.2864

■ 44.7530, 39.3918,
99.8524

■ 26.6903, 32.1652,
4.8018

■ 44.7537, 39.3921,
99.8524

Harmonies

Analogous

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



32.9218, 34.1504, 30.6724



31.6541, 34.1504, 30.9099



30.6281, 34.1504, 32.7625

Triad

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



31.6541, 34.1504, 30.9099



30.8760, 34.1504, 42.7892



34.9406, 34.1504, 38.5189

Complementary

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



31.6541, 34.1504, 30.9099



27.4096, 27.9887, 36.7605

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.



34.3613, 34.1504, 41.9864



31.6541, 34.1504, 30.9099



32.0005, 34.1504, 44.5575

Square

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



31.6541, 34.1504, 30.9099



30.1871, 34.1504, 39.5570



33.2773, 34.1504, 44.2543



34.8420, 34.1504, 34.9078

Rectangle

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



31.6541, 34.1504, 30.9099



30.2088, 34.1504, 34.7365



33.2773, 34.1504, 44.2543



34.8181, 34.1504, 39.7438

Sweetspot

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



31.6550, 34.1519, 30.9106



58.2768, 61.7950, 63.7166



29.0796, 28.9998, 30.0519



13.0968, 13.9150, 14.1458



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.



31.6550, 34.1519, 30.9106



56.2280, 60.9754, 52.9341



30.1199, 33.3605, 30.8388



7.1700, 7.7203, 7.0979



21.0797, 25.4037, 3.7924



0.3770, 0.4542, 0.0678

Inverse Universe

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



27.4096, 27.9887, 36.7605



47.1243, 47.7594, 65.4782



28.8440, 28.7282, 36.8276



6.2849, 6.4353, 8.3176



4.9432, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.6541, 34.1504, 30.9099 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 31.6541, 34.1504, 30.9099 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 31.6541, 34.1504, 30.9099

Background



This preview shows how black text looks on a background with the XYZ color 31.6541, 34.1504, 30.9099.



This preview shows how white text looks on a background with the XYZ color 31.6541, 34.1504,

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

31.6541, 34.1504, 30.9099

Protanopia

32.2493, 33.9594, 30.4463

Deuteranopia

34.6224, 33.9351, 31.1109



Tritanopia

33.8935, 34.0564, 41.8329

Trichromacy



Original Color

31.6541, 34.1504, 30.9099

Protanomaly

32.0096, 34.0881, 30.4838

Deuteranomaly

33.5500, 34.1142, 31.2020

Tritanomaly

33.0468, 33.9615, 37.6144

Monochromacy



Original Color

31.6541, 34.1504, 30.9099

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9949, 33.9898, 34.5801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6541, 34.1504, 30.9099 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(159, 159, 143)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 143)  
}
```

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(159, 159, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 143) }
```

Border

The CSS property to change the border of an element to XYZ 31.6541, 34.1504, 30.9099 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(159, 159, 143) }
```


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

```
.border{ border-color:rgb(159, 159, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 159, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 159, 143); box-shadow:4px 4px 4px 4px rgb(159, 159, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6541, 34.1504, 30.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 143) }
```

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

```
.background{ background-color: rgb(159,  
159, 143) }
```

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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