

Converting Colors

XYZ(31.1893, 35.4321, 32.1329)

Have a look what the booklet for
XYZ(31.1893, 35.4321, 32.1329)
contains.

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Color

**XYZ(31.1436, 35.4386,
31.9870)**

Conversions

Conversions Part 1

Format	Color
Hex	96A591
RGB	150, 165, 145
RGB Percent	59%, 65%, 57%
CMY	0.4118, 0.3529, 0.4314
CMYK	0.09, 0.00, 0.12, 0.35
HSL	105°, 10%, 61%
HSV	105°, 12%, 65%
XYZ	31.1436, 35.4386, 31.9870
YIQ	158.2350, -2.5200, -9.4000

Conversions

Conversions Part 2

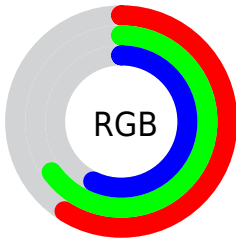
Format	Color
RYB	145, 165, 160
Decimal	9872785
CIELab	66.09, -9.13, 8.58
CIElCh	66, 12.525, 136.773
Yxy	35.4386, 0.3160, 0.3595
Android (android.graphics.Color)	4288062865 (0xFF96A591)
YUV	158.2350, -6.5249, -7.2221
Hunter-Lab	59.5303, -10.7949, 9.8134

Details

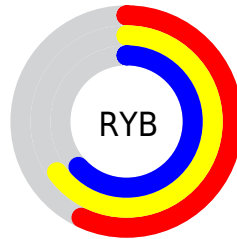
The XYZ color **31.1436, 35.4386, 31.9870** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4156, 30.4420, 39.8193**, and the grayscale version is **32.6363, 34.3360, 37.3919**.

A 20% lighter version of the original color is **60.8038, 68.1473, 63.9819**, and **13.1163, 15.2891, 13.0863** is the 20% darker color. If you saturate the color by 10%, you get **27.8043, 33.8547, 25.6646**, and if you desaturate by 10%, it is **34.9102, 37.2235, 39.2956**.

Distribution



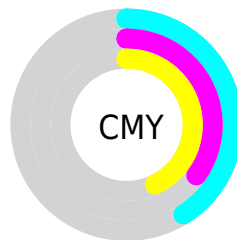
- Red (59%)
- Green (65%)
- Blue (57%)



- Red (57%)
- Yellow (65%)
- Blue (63%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)



- Cyan (41%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1436, 35.4386, 31.9870 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 31.1436, 35.4386, 31.9870 by changing the saturation by 10% instead.

■ 31.1436, 35.4386,
31.9870

■ 31.1436, 35.4386,
31.9870

299.0144,
326.5001, 325.5509

■ 20.8606, 24.0009,
21.0868

■ 60.8404, 68.1647,
63.8884

■ 13.1340, 15.3343,
12.9956

■ 80.9849, 90.2219,
85.7267

■ 7.5985, 9.0543,
7.2948

105.1472,
116.5877, 112.0481

■ 3.8888, 4.7766,
3.5659

133.6928,
147.6465, 143.2712

■ 1.6394, 2.1168,
1.3904

166.9869,
183.7828, 179.8145

■ 0.4179, 0.6741,
0.1342

205.3950,

■ 0.0000, 0.0000,

225.3809, 222.0965

0.0000

249.2824,
272.8252, 270.5358

■ 31.1436, 35.4386,
31.9870

■ 31.1436, 35.4386,
31.9870

■ 27.8043, 33.8547,
25.6646

■ 34.9102, 37.2235,
39.2956

■ 24.8742, 32.4602,
20.2839

■ 39.1158, 39.2116,
47.6276

■ 22.3377, 31.2492,
15.8005


■ 43.7753, 41.4105,
57.0212


■ 20.1775, 30.2138,
12.1655


■ 48.9019, 43.8265,
67.5119


■ 18.3748, 29.3455,
9.3254


■ 54.5082, 46.4652,
79.1336


 16.9090, 28.6349,
7.2206


 60.6064, 49.3323,
91.9187

 15.7571, 28.0717,
5.7829

 66.3094, 52.0735,
101.1641

 14.8932, 27.6442,
4.9316

 70.5771, 54.2736,
101.3638

 14.3799, 27.3880,
4.5285

 72.7458, 55.3917,
101.4653

Harmonies

Analogous

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



32.6616, 35.4386, 29.5857



31.1436, 35.4386, 31.9870



30.3198, 35.4386, 36.2897

Triad

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



31.1436, 35.4386, 31.9870



32.8715, 35.4386, 49.4430



37.2256, 35.4386, 35.7052

Complementary

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



31.1436, 35.4386, 31.9870



31.4156, 30.4420, 39.8193

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.



37.2868, 35.4386, 40.9784



31.1436, 35.4386, 31.9870



34.7262, 35.4386, 49.2497

Square

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



31.1436, 35.4386, 31.9870



31.2924, 35.4386, 46.5427



36.3575, 35.4386, 46.0367



36.1931, 35.4386, 31.5931

Rectangle

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



31.1436, 35.4386, 31.9870



30.2547, 35.4386, 39.8074



36.3575, 35.4386, 46.0367



37.3617, 35.4386, 37.3910

Sweetspot

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



31.1446, 35.4401, 31.9878



61.1419, 66.0099, 67.6771



33.2002, 35.1869, 31.8305



13.2569, 14.3790, 14.5809



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.1446, 35.4401, 31.9878



53.8082, 62.5348, 53.5283



30.6383, 35.1336, 34.0217



7.1438, 7.9766, 7.5432



10.9180, 20.7389, 3.4276



0.2697, 0.4566, 0.0739

Inverse Universe

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



31.4156, 30.4420, 39.8193



54.4062, 51.4960, 70.8245



31.9889, 30.7892, 37.5161



7.1906, 7.1126, 8.8970



11.4473, 5.3078, 27.3509



0.2797, 0.1317, 0.5765

Previews

White Background



This preview shows how the XYZ color 31.1436, 35.4386, 31.9870 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 31.1436, 35.4386, 31.9870 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

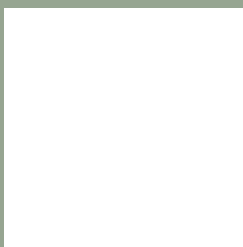
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1436, 35.4386, 31.9870

Background



This preview shows how black text looks on a background with the XYZ color 31.1436, 35.4386, 31.9870.



This preview shows how white text looks on a background with the XYZ color 31.1436, 35.4386,

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

31.1436, 35.4386, 31.9870

Protanopia

33.3896, 35.3101, 30.6469

Deuteranopia

36.0439, 35.3730, 32.5317



Tritanopia

33.9024, 35.5143, 45.1125

Trichromacy



Original Color

31.1436, 35.4386, 31.9870

Protanomaly

32.5762, 35.4009, 31.1027

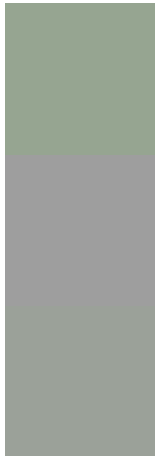
Deuteranomaly

34.1640, 35.4176, 32.2298

Tritanomaly

32.6681, 35.2573, 39.7339

Monochromacy



Original Color

31.1436, 35.4386, 31.9870

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0122, 34.7582, 35.1588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1436, 35.4386, 31.9870 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(150, 165, 145)` looks like.

```
.text, #text, p{  
    color:rgb(150, 165, 145)  
}
```

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(150, 165, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 165, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.1436, 35.4386, 31.9870 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(150, 165, 145) }
```


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

```
.border{ border-color:rgb(150, 165, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 165, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 165, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 165, 145);  
box-shadow:4px 4px 4px 4px rgb(150, 165,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1436, 35.4386, 31.9870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 165, 145) }
```

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

```
.background{ background-color: rgb(150,  
165, 145) }
```

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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