

Converting Colors

XYZ(31.1835, 35.8374, 33.2337)

Have a look what the booklet for
XYZ(31.1835, 35.8374, 33.2337)
contains.

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Color

**XYZ(31.1966, 35.9786,
33.3173)**

Conversions

Conversions Part 1

Format	Color
Hex	93A794
RGB	147, 167, 148
RGB Percent	58%, 65%, 58%
CMY	0.4235, 0.3451, 0.4196
CMYK	0.12, 0.00, 0.11, 0.35
HSL	123°, 10%, 62%
HSV	123°, 12%, 65%
XYZ	31.1966, 35.9786, 33.3173
YIQ	158.8540, -5.8210, -10.1490

Conversions

Conversions Part 2

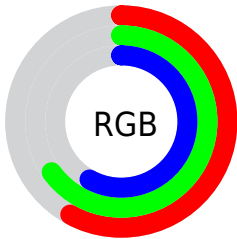
Format	Color
RYB	147, 166, 167
Decimal	9676692
CIELab	66.50, -10.72, 7.48
CIELCh	67, 13.068, 145.108
Yxy	35.9786, 0.3104, 0.3580
Android (android.graphics.Color)	4287866772 (0xFF93A794)
YUV	158.8540, -5.3510, -10.3960
Hunter-Lab	59.9822, -12.1313, 9.0547

Details

The XYZ color **31.1966, 35.9786, 33.3173** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2542, 31.8369, 40.4704**, and the grayscale version is **32.9143, 34.6284, 37.7104**.

A 20% lighter version of the original color is **60.8693, 68.9243, 65.9727**, and **13.1123, 15.6113, 13.6315** is the 20% darker color. If you saturate the color by 10%, you get **27.2457, 34.0782, 27.0205**, and if you desaturate by 10%, it is **35.7564, 38.1751, 40.5427**.

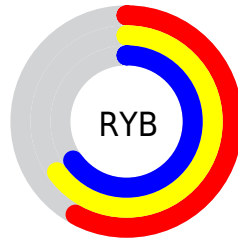
Distribution



Red (58%)

Green (65%)

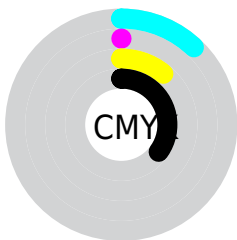
Blue (58%)



Red (58%)

Yellow (65%)

Blue (65%)

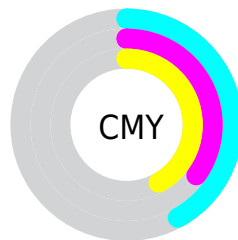


Cyan (12%)

Magenta (0%)

Yellow (11%)

Black (35%)



Cyan (42%)

Magenta (35%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1966, 35.9786, 33.3173 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 31.1966, 35.9786, 33.3173 by changing the saturation by 10% instead.

■ 31.1966, 35.9786,
33.3173

■ 31.1966, 35.9786,
33.3173

299.2538,
328.8670, 331.7528

■ 20.9012, 24.4177,
22.0965

■ 60.9232, 68.9990,
65.9923

■ 13.1638, 15.6437,
13.7288

■ 81.0851, 91.2273,
88.2836

■ 7.6192, 9.2724,
7.7957

105.2665,
117.7802, 115.1022

■ 3.9020, 4.9193,
3.8786

133.8328,
149.0420, 146.8666

■ 1.6469, 2.2000,
1.5590

167.1493,
185.3972, 183.9953

■ 0.4227, 0.7200,
0.2613

205.5814,

■ 0.0000, 0.0000,

227.2302, 226.9069

0.0000

249.4944,
274.9253, 276.0199

■ 31.1966, 35.9786,
33.3173

■ 31.1966, 35.9786,
33.3173

■ 27.2457, 34.0782,
27.0205

■ 35.7564, 38.1751,
40.5427

■ 23.8751, 32.4568,
21.6123

■ 40.9463, 40.6748,
48.7296

■ 21.0585, 31.1027,
17.0535

■ 46.7900, 43.4901,
57.9124

■ 18.7661, 30.0016,
13.3009

■ 53.3091, 46.6316,
68.1229

■ 16.9655, 29.1378,
10.3076

■ 60.5244, 50.1092,
79.3916

■ 15.6207, 28.4937,
8.0220

■ 68.4555, 53.9326,
91.7478

■ 14.6908, 28.0496,
6.3857

■ 73.1094, 56.1189,
101.5865

■ 14.1274, 27.7819,
5.3313

■ 13.8652, 27.6572,
4.8475

Harmonies

Analogous

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



32.6217, 35.9786, 30.1886



31.1966, 35.9786, 33.3173



30.5762, 35.9786, 38.2610

Triad

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



31.1966, 35.9786, 33.3173



33.8761, 35.9786, 50.9469



37.7252, 35.9786, 34.7694

Complementary

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



31.1966, 35.9786, 33.3173



33.2542, 31.8369, 40.4704

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.



38.0920, 35.9786, 40.1025



31.1966, 35.9786, 33.3173



35.8214, 35.9786, 49.7872

Square

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



31.1966, 35.9786, 33.3173



32.0851, 35.9786, 48.7147



37.3830, 35.9786, 45.6810



36.3988, 35.9786, 30.9692

Rectangle

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



31.1966, 35.9786, 33.3173



30.6845, 35.9786, 42.0566



37.3830, 35.9786, 45.6810



37.9669, 35.9786, 36.4273

Sweetspot

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



31.1976, 35.9801, 33.3181



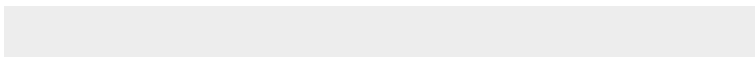
62.2319, 67.4978, 69.7548



34.8126, 37.8529, 33.0756



13.7878, 15.0380, 15.3906



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.



31.1976, 35.9801, 33.3181



54.1655, 63.6143, 56.9573



32.0240, 36.3107, 37.6697



7.4514, 8.4136, 8.0972



10.6148, 21.1647, 3.7382



0.2629, 0.5168, 0.1152

Inverse Universe

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



33.2542, 31.8369, 40.4704



58.4810, 54.9204, 71.9649



32.3719, 31.4840, 35.8243



7.8255, 7.6600, 9.3981



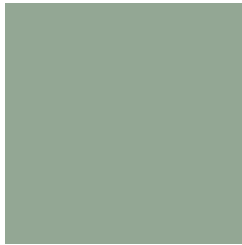
16.9654, 8.1949, 25.6931



0.4175, 0.2013, 0.6501

Previews

White Background



This preview shows how the XYZ color 31.1966, 35.9786, 33.3173 looks on a white background.

Color Contrast Check

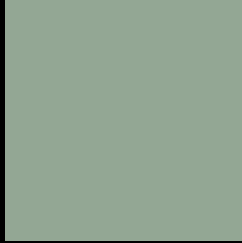
Large Text (above 18pt) WCAG AA × Fail

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 31.1966, 35.9786, 33.3173 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

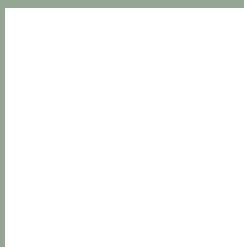
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1966, 35.9786, 33.3173

Background



This preview shows how black text looks on a background with the XYZ color 31.1966, 35.9786, 33.3173.



This preview shows how white text looks on a background with the XYZ color 31.1966, 35.9786,

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

31.1966, 35.9786, 33.3173

Protanopia

34.0042, 35.8589, 31.9173

Deuteranopia

36.4495, 35.8027, 33.8437



Tritanopia

33.8826, 36.0044, 46.2380

Trichromacy



Original Color

31.1966, 35.9786, 33.3173

Protanomaly

32.7827, 35.7433, 32.3654

Deuteranomaly

34.3578, 35.7466, 33.5227

Tritanomaly

32.7361, 35.7881, 41.2588

Monochromacy



Original Color

31.1966, 35.9786, 33.3173

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3543, 35.1758, 36.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1966, 35.9786, 33.3173 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(147, 167, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 167, 148)  
}
```

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(147, 167, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 167, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.1966, 35.9786, 33.3173 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(147, 167, 148) }
```


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

```
.border{ border-color:rgb(147, 167, 148) }
```

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

Here you see how a box with a 4 pixel rgb(147, 167, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 167, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 167, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 167,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1966, 35.9786, 33.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 167, 148) }
```

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

```
.background{ background-color: rgb(147,  
167, 148) }
```

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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