

Converting Colors

XYZ(31.4441, 40.9071, 34.5740)

Have a look what the booklet for
XYZ(31.4441, 40.9071, 34.5740)
contains.

XYZ(31.6186, 41.1180, 34.7039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6186, 41.1180,
34.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	81B895
RGB	129, 184, 149
RGB Percent	51%, 72%, 58%
CMY	0.4941, 0.2784, 0.4157
CMYK	0.30, 0.00, 0.19, 0.28
HSL	142°, 28%, 61%
HSV	142°, 30%, 72%
XYZ	31.6186, 41.1180, 34.7039
YIQ	163.5650, -21.5450, -22.5450

Conversions

Conversions Part 2

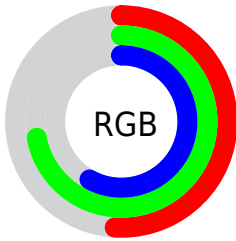
Format	Color
RYB	129, 169, 184
Decimal	8501397
CIELab	70.26, -25.36, 12.11
CIELCh	70, 28.097, 154.480
Yxy	41.1180, 0.2943, 0.3827
Android (android.graphics.Color)	4286691477 (0xFF81B895)
YUV	163.5650, -7.1805, -30.3135
Hunter-Lab	64.1233, -24.1992, 12.7982

Details

The XYZ color **31.6186, 41.1180, 34.7039** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3197, 28.5722, 38.8299**, and the grayscale version is **35.1212, 36.9503, 40.2388**.

A 20% lighter version of the original color is **61.4680, 76.6993, 68.0646**, and **13.4628, 18.7341, 14.4618** is the 20% darker color. If you saturate the color by 10%, you get **28.1831, 39.4507, 29.9062**, and if you desaturate by 10%, it is **35.6537, 43.0858, 40.0221**.

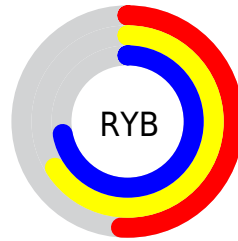
Distribution



Red (51%)

Green (72%)

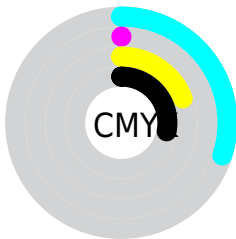
Blue (58%)



Red (51%)

Yellow (66%)

Blue (72%)

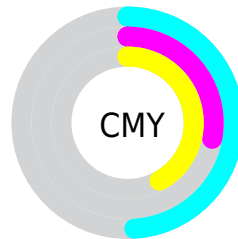


Cyan (30%)

Magenta (0%)

Yellow (19%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6186, 41.1180, 34.7039 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 31.6186, 41.1180, 34.7039 by changing the saturation by 10% instead.

■ 31.6186, 41.1180,
34.7039

■ 31.6186, 41.1180,
34.7039

301.1544,
350.8136, 338.1239

■ 21.2245, 28.4113,
23.1532

■ 61.5819, 76.8630,
68.1732

■ 13.4016, 18.6359,
14.5003

■ 81.8819, 100.6701,
90.9288

■ 7.7846, 11.4075,
8.3267

■ 106.2144,
128.9461, 118.2564

■ 4.0080, 6.3416,
4.2140

134.9450,
162.0754, 150.5746

■ 1.7067, 3.0539,
1.7434

168.4389,
200.4424, 188.3019

■ 0.4604, 1.1599,
0.3902

207.0616,

■ 0.0000, 0.0286,

244.4315, 231.8569

0.0000

251.1783,
294.4271, 281.6580

■ 0.0000, 0.0000,
0.0000

■ 31.6186, 41.1180,
34.7039

■ 31.6186, 41.1180,
34.7039

■ 28.1831, 39.4507,
29.9062

■ 35.6537, 43.0858,
40.0221

■ 25.3140, 38.0637,
25.6106

■ 40.3126, 45.3629,
45.8732

■ 22.9800, 36.9424,
21.8011

■ 45.6224, 47.9640,
52.2725

■ 21.1452, 36.0686,
18.4603

■ 51.6075, 50.9016,
59.2341

■ 19.7690, 35.4217,
15.5696

■ 58.2909, 54.1871,
66.7713

■ 18.8040, 34.9777,
13.1087

■ 65.6947, 57.8317,
74.8970

■ 18.1579, 34.6894,
11.0543

■ 72.8006, 61.3102,
83.5752

■ 18.1516, 34.6866,
11.0342

■ 74.5103, 61.9941,
92.5785

■ 76.3328, 62.7231,
102.1756

Harmonies

Analogous

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



34.2771, 41.1180, 26.9418



31.6186, 41.1180, 34.7039



30.8971, 41.1180, 46.7818

Triad

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



31.6186, 41.1180, 34.7039



39.7775, 41.1180, 75.1318



46.8495, 41.1180, 31.8871

Complementary

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



31.6186, 41.1180, 34.7039



34.3197, 28.5722, 38.8299

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.



48.5967, 41.1180, 42.8177



31.6186, 41.1180, 34.7039



44.3149, 41.1180, 69.1144

Square

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



31.6186, 41.1180, 34.7039



35.3871, 41.1180, 71.7956



47.6348, 41.1180, 56.6168



43.0243, 41.1180, 25.5536

Rectangle

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



31.6186, 41.1180, 34.7039



31.5596, 41.1180, 56.1297



47.6348, 41.1180, 56.6168



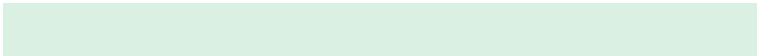
47.7125, 41.1180, 35.0576

Sweetspot

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



31.6197, 41.1197, 34.7048



73.7468, 82.5581, 83.9794



36.5695, 43.8404, 27.3041



15.6165, 17.6599, 17.7578



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.6197, 41.1197, 34.7048



53.0202, 72.4495, 56.9701



34.0068, 42.0746, 47.2753



9.0217, 10.1127, 10.2717



12.5407, 23.9172, 7.7693



0.4723, 0.8552, 0.4331

Inverse Universe

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



34.3197, 28.5722, 38.8299



58.7164, 45.9590, 65.6589



32.1520, 27.7052, 27.4149



9.2386, 9.1058, 10.6038



15.8750, 7.9237, 12.4943



0.5882, 0.2908, 0.5910

Previews

White Background



This preview shows how the XYZ color 31.6186, 41.1180, 34.7039 looks on a white background.

Color Contrast Check

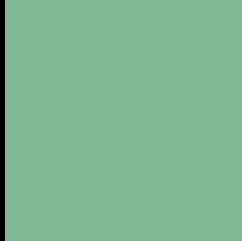
Large Text (above 18pt) WCAG AA × Fail

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 31.6186, 41.1180, 34.7039 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

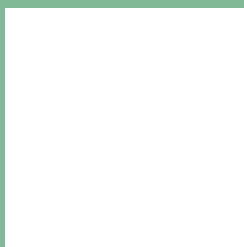
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6186, 41.1180, 34.7039

Background



This preview shows how black text looks on a background with the XYZ color 31.6186, 41.1180, 34.7039.

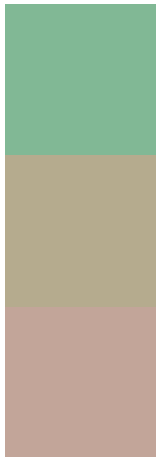


This preview shows how white text looks on a background with the XYZ color 31.6186, 41.1180,

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

31.6186, 41.1180, 34.7039

Protanopia

38.5015, 40.9026, 31.4569

Deuteranopia

41.4530, 40.6795, 35.8041



Tritanopia

35.9161, 41.0498, 55.8996

Trichromacy



Original Color

31.6186, 41.1180, 34.7039

Protanomaly

35.5365, 40.7764, 32.7857

Deuteranomaly

36.9976, 40.3181, 35.5380

Tritanomaly

34.1494, 40.9280, 47.1743

Monochromacy



Original Color

31.6186, 41.1180, 34.7039

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5834, 38.2083, 38.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6186, 41.1180, 34.7039 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(129, 184, 149)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 149)  
}
```

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(129, 184, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.6186, 41.1180, 34.7039 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(129, 184, 149) }
```


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

```
.border{ border-color:rgb(129, 184, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 149);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6186, 41.1180, 34.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 149) }
```

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

```
.background{ background-color: rgb(129,  
184, 149) }
```

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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