

Converting Colors

XYZ(40.5179, 47.2663, 30.8751)

Have a look what the booklet for
XYZ(40.5179, 47.2663, 30.8751)
contains.

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Color

**XYZ(40.6895, 47.4603,
31.0609)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BD8A
RGB	176, 189, 138
RGB Percent	69%, 74%, 54%
CMY	0.3098, 0.2588, 0.4588
CMYK	0.07, 0.00, 0.27, 0.26
HSL	75°, 28%, 64%
HSV	75°, 27%, 74%
XYZ	40.6895, 47.4603, 31.0609
YIQ	179.2990, 8.6230, -18.6170

Conversions

Conversions Part 2

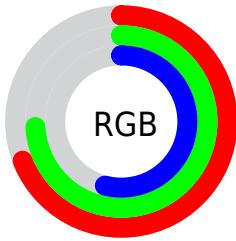
Format	Color
RYB	138, 189, 151
Decimal	11582858
CIELab	74.48, -13.18, 24.35
CIELCh	74, 27.685, 118.426
Yxy	47.4603, 0.3413, 0.3981
Android (android.graphics.Color)	4289772938 (0xFFB0BD8A)
YUV	179.2990, -20.3604, -2.8932
Hunter-Lab	68.8914, -15.1322, 21.4921

Details

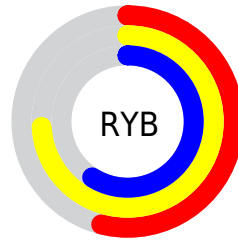
The XYZ color **40.6895, 47.4603, 31.0609** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.0382, 28.4317, 51.9988**, and the grayscale version is **43.1103, 45.3554, 49.3921**.

A 20% lighter version of the original color is **75.4455, 86.2664, 62.5438**, and **18.7340, 22.5239, 12.5927** is the 20% darker color. If you saturate the color by 10%, you get **38.3685, 46.4099, 24.4204**, and if you desaturate by 10%, it is **43.2898, 48.6302, 38.9594**.

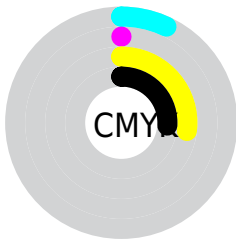
Distribution



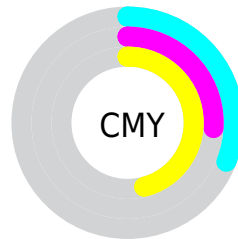
- Red (69%)
- Green (74%)
- Blue (54%)



- Red (54%)
- Yellow (74%)
- Blue (59%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6895, 47.4603, 31.0609 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 40.6895, 47.4603, 31.0609 by changing the saturation by 10% instead.

■ 40.6895, 47.4603,
31.0609

■ 40.6895, 47.4603,
31.0609

340.1060,
376.6489, 321.1787

■ 28.2631, 33.3997,
20.3864

■ 75.4900, 86.4003,
62.4166

■ 18.6656, 22.4328,
12.4894

■ 98.5949, 112.0485,
83.9349

■ 11.5315, 14.1753,
6.9513

■ 125.9900,
142.3280, 109.9049

■ 6.4954, 8.2427,
3.3537

158.0406,
177.6232, 140.7451

■ 3.1921, 4.2506,
1.2779

195.1122,
218.3185, 176.8740

■ 1.2561, 1.8147,
0.0436

237.5700,

■ 0.1500, 0.4963,

264.7982, 218.7102

0.0000

285.7795,
317.4469, 266.6723

■ 0.0000, 0.0000,
0.0000

■ 40.6895, 47.4603,
31.0609

■ 40.6895, 47.4603,
31.0609

■ 38.3685, 46.4099,
24.4204

■ 43.2898, 48.6302,
38.9594

■ 36.3104, 45.4674,
18.9699

■ 46.1776, 49.9179,
48.1733

■ 34.5027, 44.6294,
14.6396

■ 49.3651, 51.3301,
58.7598


■ 32.9299, 43.8898,
11.3511


■ 52.8629, 52.8711,
70.7722


■ 31.5749, 43.2415,
9.0161


■ 56.6809, 54.5447,
84.2606


 30.4177, 42.6766,
7.5314

 60.8285, 56.3549,
99.2731

 29.4309, 42.1841,
6.7548

 62.7514, 57.2799,
102.3565

 29.1513, 42.0436,
6.5788

 64.1420, 57.9968,
102.4216

 65.5743, 58.7352,
102.4886

Harmonies

Analogous

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



45.3740, 47.4603, 28.7648



40.6895, 47.4603, 31.0609



37.4103, 47.4603, 38.5681

Triad

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



40.6895, 47.4603, 31.0609



40.2643, 47.4603, 78.8379



55.4099, 47.4603, 52.4355

Complementary

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



40.6895, 47.4603, 31.0609



31.0382, 28.4317, 51.9988

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.



53.7988, 47.4603, 67.4614



40.6895, 47.4603, 31.0609



44.8463, 47.4603, 84.3449

Square

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



40.6895, 47.4603, 31.0609



37.1779, 47.4603, 65.9101



49.8387, 47.4603, 79.8436



54.0961, 47.4603, 39.6550

Rectangle

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



40.6895, 47.4603, 31.0609



36.3378, 47.4603, 46.3506



49.8387, 47.4603, 79.8436



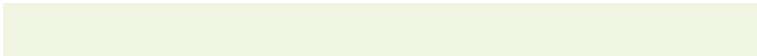
55.1903, 47.4603, 57.3948

Sweetspot

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



40.6907, 47.4624, 31.0619



82.0816, 89.1233, 84.2651



36.6018, 34.7081, 28.8156



17.4781, 19.0885, 17.5608



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.6907, 47.4624, 31.0619



70.5147, 83.9337, 48.7843



35.5028, 44.7879, 30.8191



10.0783, 10.9948, 10.1677



19.6864, 28.3246, 4.4296



0.8283, 1.1390, 0.1762

Inverse Universe

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



31.0382, 28.4317, 51.9988



50.5279, 44.5158, 92.1555



36.2365, 31.1115, 52.2421



9.2384, 9.3398, 11.9880



7.0674, 2.9295, 32.5858



0.3397, 0.1472, 1.2794

Previews

White Background



This preview shows how the XYZ color 40.6895, 47.4603, 31.0609 looks on a white background.

Color Contrast Check

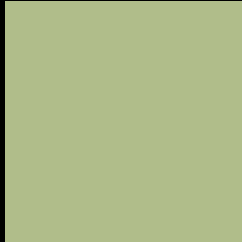
Large Text (above 18pt) WCAG AA × Fail

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 40.6895, 47.4603, 31.0609 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 40.6895, 47.4603, 31.0609

Background



This preview shows how black text looks on a background with the XYZ color 40.6895, 47.4603, 31.0609.



This preview shows how white text looks on a background with the XYZ color 40.6895, 47.4603,

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

40.6895, 47.4603, 31.0609

Protanopia

44.0716, 47.3520, 29.7387

Deuteranopia

48.3574, 47.4208, 31.8037



Tritanopia

46.2548, 47.2236, 58.9017

Trichromacy



Original Color

40.6895, 47.4603, 31.0609

Protanomaly

42.7792, 47.2943, 30.1666

Deuteranomaly

45.3449, 47.3587, 31.5622

Tritanomaly

43.9344, 47.1999, 47.3523

Monochromacy



Original Color

40.6895, 47.4603, 31.0609

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9944, 46.0123, 41.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6895, 47.4603, 31.0609 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(176, 189, 138)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 138)  
}
```

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(176, 189, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.6895, 47.4603, 31.0609 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(176, 189, 138) }
```


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

```
.border{ border-color:rgb(176, 189, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 189, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 189, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 189, 138); box-shadow:4px 4px 4px 4px rgb(176, 189, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6895, 47.4603, 31.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 138) }
```

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

```
.background{ background-color: rgb(176,  
189, 138) }
```

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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