

Converting Colors

XYZ(31.3120, 30.9408, 34.4611)

Have a look what the booklet for
XYZ(31.3120, 30.9408, 34.4611)
contains.

XYZ(31.2877, 30.9539, 34.4626)	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(31.2877, 30.9539,
34.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	A39399
RGB	163, 147, 153
RGB Percent	64%, 58%, 60%
CMY	0.3608, 0.4235, 0.4000
CMYK	0.00, 0.10, 0.06, 0.36
HSL	338°, 8%, 61%
HSV	338°, 10%, 64%
XYZ	31.2877, 30.9539, 34.4626
YIQ	152.4680, 7.6100, 5.2580

Conversions

Conversions Part 2

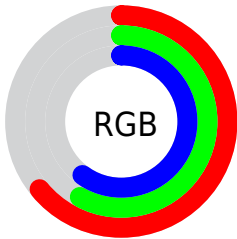
Format	Color
R_{YB}	163, 147, 153
Decimal	10720153
CIE Lab	62.47, 7.01, -1.01
CIE LCh	62, 7.080, 351.814
Yxy	30.9539, 0.3235, 0.3201
Android (android.graphics.Color)	4288910233 (0xFFA39399)
YUV	152.4680, 0.2623, 9.2366
Hunter-Lab	55.6362, 3.0182, 2.2195

Details

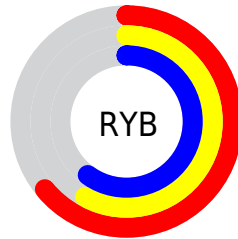
The XYZ color **31.2877, 30.9539, 34.4626** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2168, 34.8325, 36.9780**, and the grayscale version is **30.0446, 31.6093, 34.4225**.

A 20% lighter version of the original color is **61.0626, 61.1837, 67.6228**, and **13.1367, 12.7046, 14.3302** is the 20% darker color. If you saturate the color by 10%, you get **28.1246, 25.9173, 29.4320**, and if you desaturate by 10%, it is **34.8836, 36.7403, 39.9929**.

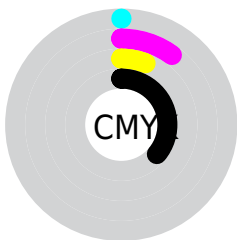
Distribution



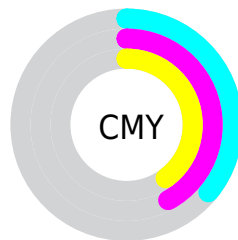
- Red (64%)
- Green (58%)
- Blue (60%)



- Red (64%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (6%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2877, 30.9539, 34.4626 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 31.2877, 30.9539, 34.4626 by changing the saturation by 10% instead.

■ 31.2877, 30.9539,
34.4626

■ 31.2877, 30.9539,
34.4626

299.6648,
306.3259, 337.0218

■ 20.9709, 20.5637,
22.9690

■ 61.0655, 61.1675,
67.7945

■ 13.2151, 12.8055,
14.3655

■ 81.2573, 81.7597,
90.4699

■ 7.6548, 7.2947,
8.2337

105.4714,
106.5214, 117.7095

■ 3.9248, 3.6471,
4.1549

134.0732,
135.8370, 149.9321

■ 1.6597, 1.4782,
1.7107

167.4281,
170.0908, 187.5561

■ 0.4308, 0.2733,
0.3681

205.9014,

■ 0.0000, 0.0000,

209.6673, 231.0000

0.0000

249.8586,
254.9509, 280.6824

■ 31.2877, 30.9539,
34.4626

■ 31.2877, 30.9539,
34.4626

■ 28.1246, 25.9173,
29.4320

■ 34.8836, 36.7403,
39.9929

■ 25.3749, 21.5956,
24.8846

■ 38.9255, 43.3014,
46.0346

■ 23.0215, 17.9573,
20.8059

■ 43.4294, 50.6659,
52.6016

■ 21.0451, 14.9669,
17.1800

■ 48.4095, 58.8600,
59.7067

■ 19.4247, 12.5857,
13.9898

■ 53.8796, 67.9085,
67.3621

■ 18.1371, 10.7706,
11.2171

■ 59.8528, 77.8352,
75.5797

■ 17.1562, 9.4732,
8.8422

■ 64.3633, 84.7062,
83.7114

■ 16.4517, 8.6365,
6.8431

■ 65.7900, 85.2768,
91.2241

■ 15.9580, 8.1333,
5.1856

■ 67.3009, 85.8812,
99.1807

Harmonies

Analogous

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



30.8970, 30.9539, 37.0818



31.2877, 30.9539, 34.4626



31.1696, 30.9539, 31.7753

Triad

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



31.2877, 30.9539, 34.4626



28.7395, 30.9539, 29.0258



28.2932, 30.9539, 38.0361

Complementary

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



31.2877, 30.9539, 34.4626



31.2168, 34.8325, 36.9780

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.



27.7386, 30.9539, 35.7083



31.2877, 30.9539, 34.4626



27.9923, 30.9539, 30.5370

Square

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



31.2877, 30.9539, 34.4626



29.6846, 30.9539, 28.7326



27.6296, 30.9539, 32.9557



29.1585, 30.9539, 39.2170

Rectangle

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



31.2877, 30.9539, 34.4626



30.8194, 30.9539, 30.2973



27.6296, 30.9539, 32.9557



28.0651, 30.9539, 37.3559

Sweetspot

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



31.2886, 30.9553, 34.4633



60.2998, 62.2900, 68.3139



30.9243, 30.6680, 38.9402



13.4276, 13.8040, 15.1661



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.



31.2886, 30.9553, 34.4633



54.6006, 53.1444, 59.4695



31.0981, 31.3472, 32.0170



7.1785, 7.1278, 7.9263



12.4162, 6.3225, 4.1165



0.2833, 0.1418, 0.2046

Inverse Universe

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



31.2886, 30.9553, 34.4633



54.6006, 53.1444, 59.4695



31.4126, 34.3845, 39.6318



7.1785, 7.1278, 7.9263



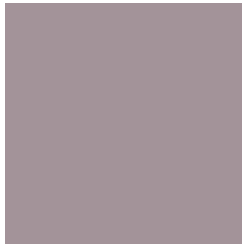
12.4162, 6.3225, 4.1165



0.2833, 0.1418, 0.2046

Previews

White Background



This preview shows how the XYZ color 31.2877, 30.9539, 34.4626 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 31.2877, 30.9539, 34.4626 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 31.2877, 30.9539, 34.4626

Background



This preview shows how black text looks on a background with the XYZ color 31.2877, 30.9539, 34.4626.



This preview shows how white text looks on a background with the XYZ color 31.2877, 30.9539,

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

31.2877, 30.9539, 34.4626

Protanopia

29.9596, 30.9516, 35.4056

Deuteranopia

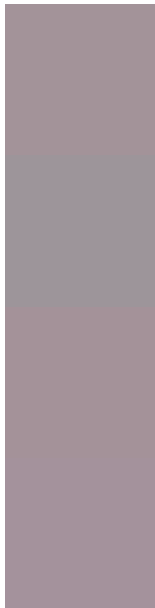
31.5457, 30.8570, 34.4304



Tritanopia

31.7603, 30.9189, 36.6417

Trichromacy



Original Color

31.2877, 30.9539, 34.4626

Protanomaly

30.4848, 30.9961, 34.9480

Deuteranomaly

31.3385, 30.7502, 34.4207

Tritanomaly

31.5895, 30.8506, 35.7423

Monochromacy



Original Color

31.2877, 30.9539, 34.4626

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2841, 31.1476, 34.1217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2877, 30.9539, 34.4626 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(163, 147, 153)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 153)  
}
```

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(163, 147, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.2877, 30.9539, 34.4626 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(163, 147, 153) }
```


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

```
.border{ border-color:rgb(163, 147, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 153);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2877, 30.9539, 34.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 153) }
```

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

```
.background{ background-color: rgb(163,  
147, 153) }
```

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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