

Converting Colors

XYZ(29.8456, 36.9260, 34.8354)

Have a look what the booklet for
XYZ(29.8456, 36.9260, 34.8354)
contains.

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Color

**XYZ(29.8896, 36.9468,
34.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	83AD97
RGB	131, 173, 151
RGB Percent	51%, 68%, 59%
CMY	0.4863, 0.3216, 0.4078
CMYK	0.24, 0.00, 0.13, 0.32
HSL	149°, 20%, 60%
HSV	149°, 24%, 68%
XYZ	29.8896, 36.9468, 34.8343
YIQ	157.9340, -17.9700, -15.7460

Conversions

Conversions Part 2

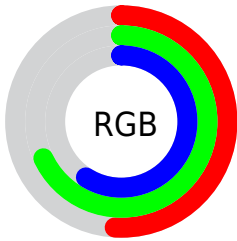
Format	Color
RYB	131, 159, 173
Decimal	8629655
CIELab	67.24, -18.77, 6.72
CIELCh	67, 19.935, 160.285
Yxy	36.9468, 0.2940, 0.3634
Android (android.graphics.Color)	4286819735 (0xFF83AD97)
YUV	157.9340, -3.4185, -23.6211
Hunter-Lab	60.7839, -18.5970, 8.5705

Details

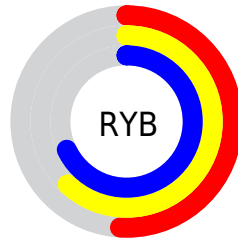
The XYZ color **29.8896, 36.9468, 34.8343** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.1010, 27.4177, 33.7916**, and the grayscale version is **32.4911, 34.1832, 37.2255**.

A 20% lighter version of the original color is **59.0463, 70.7607, 68.3037**, and **12.3250, 16.0585, 14.5066** is the 20% darker color. If you saturate the color by 10%, you get **26.7228, 35.3971, 30.9910**, and if you desaturate by 10%, it is **33.5625, 38.7529, 38.9982**.

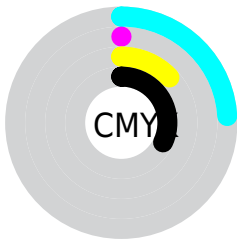
Distribution



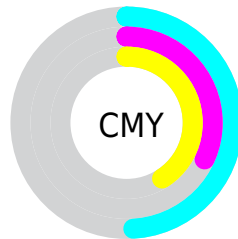
- Red (51%)
- Green (68%)
- Blue (59%)



- Red (51%)
- Yellow (62%)
- Blue (68%)



- Cyan (24%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)





- Cyan (49%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8896, 36.9468, 34.8343 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 29.8896, 36.9468, 34.8343 by changing the saturation by 10% instead.


 29.8896, 36.9468,
34.8343


 29.8896, 36.9468,
34.8343


293.3086,
333.0801, 338.7183


 19.9025, 25.1663,
23.2527

 58.8754, 70.4910,
68.3776

 12.4320, 16.2010,
14.5732

 78.6047, 93.0234,
91.1765

 7.1129, 9.6665,
8.3771


 102.3122,
119.9086, 118.5516

 3.5798, 5.1784,
4.2460

130.3631,
151.5310, 150.9213

 1.4673, 2.3523,
1.7612

163.1228,
188.2750, 188.7043

 0.3034, 0.8012,
0.4022

200.9568,

 0.0000, 0.0000,

230.5249, 232.3191

0.0000

244.2302,
278.6651, 282.1843

■ 29.8896, 36.9468,
34.8343

■ 29.8896, 36.9468,
34.8343

■ 26.7228, 35.3971,
30.9910

■ 33.5625, 38.7529,
38.9982

■ 24.0355, 34.0871,
27.4582

■ 37.7602, 40.8219,
43.4877

■ 21.8034, 33.0056,
24.2287

■ 42.5045, 43.1658,
48.3107

■ 19.9986, 32.1383,
21.2940

■ 47.8146, 45.7945,
53.4742

■ 18.5899, 31.4692,
18.6453

■ 53.7090, 48.7173,
58.9849

■ 17.5418, 30.9803,
16.2734

■ 60.2055, 51.9433,
64.8492

■ 16.8116, 30.6497,
14.1680

■ 67.3207, 55.4809,
71.0736

■ 16.4817, 30.5035,
13.0774

■ 69.5713, 56.5033,
77.4067

■ 70.8301, 57.0068,
84.0352

Harmonies

Analogous

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



31.4663, 36.9468, 28.7476



29.8896, 36.9468, 34.8343



29.6664, 36.9468, 43.2967

Triad

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



29.8896, 36.9468, 34.8343



36.1723, 36.9468, 59.0807



39.7741, 36.9468, 30.3337

Complementary

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



29.8896, 36.9468, 34.8343



31.1010, 27.4177, 33.7916

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.



41.1969, 36.9468, 37.3094



29.8896, 36.9468, 34.8343



39.0393, 36.9468, 54.4202

Square

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



29.8896, 36.9468, 34.8343



33.1789, 36.9468, 58.1638



40.9205, 36.9468, 46.1533



37.1288, 36.9468, 26.4210

Rectangle

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



29.8896, 36.9468, 34.8343



30.3007, 36.9468, 49.2889



40.9205, 36.9468, 46.1533



40.4180, 36.9468, 32.3531

Sweetspot

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



29.8906, 36.9483, 34.8351



65.3876, 72.0038, 75.5339



32.2541, 38.3388, 27.1735



14.1156, 15.6014, 16.3151



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8906, 36.9483, 34.8351



50.4540, 64.6620, 58.7153



31.7129, 37.6773, 44.4313



8.0573, 9.0005, 9.3269



12.1362, 22.4198, 9.7571



0.3654, 0.6348, 0.4177

Inverse Universe

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



31.1010, 27.4177, 33.7916



52.9903, 44.6879, 56.5268



29.5433, 26.7947, 25.5890



8.1739, 8.0828, 9.2265



14.0651, 7.0886, 7.9881



0.4187, 0.2082, 0.3666

Previews

White Background



This preview shows how the XYZ color 29.8896, 36.9468, 34.8343 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 29.8896, 36.9468, 34.8343 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

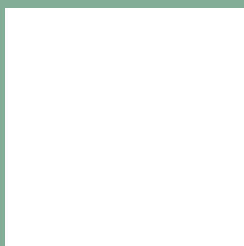
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8896, 36.9468, 34.8343

Background



This preview shows how black text looks on a background with the XYZ color 29.8896, 36.9468, 34.8343.



This preview shows how white text looks on a background with the XYZ color 29.8896, 36.9468,

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

29.8896, 36.9468, 34.8343

Protanopia

34.8631, 36.8158, 32.4628

Deuteranopia

37.3510, 36.7319, 35.6932



Tritanopia

32.9480, 37.0717, 49.6750

Trichromacy



Original Color

29.8896, 36.9468, 34.8343

Protanomaly

32.8743, 36.8435, 33.3958

Deuteranomaly

33.9512, 36.2808, 35.3505

Tritanomaly

31.7171, 36.8406, 43.9674

Monochromacy



Original Color

29.8896, 36.9468, 34.8343

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2263, 34.8568, 36.0926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8896, 36.9468, 34.8343 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(131, 173, 151)` looks like.

```
.text, #text, p{  
    color:rgb(131, 173, 151)  
}
```

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(131, 173, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 173, 151) }
```

Border

The CSS property to change the border of an element to XYZ 29.8896, 36.9468, 34.8343 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(131, 173, 151) }
```


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

```
.border{ border-color:rgb(131, 173, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 173, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 173, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 173, 151);  
box-shadow:4px 4px 4px 4px rgb(131, 173,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8896, 36.9468, 34.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 173, 151) }
```

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

```
.background{ background-color: rgb(131,  
173, 151) }
```

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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