

Converting Colors

XYZ(30.9413, 37.9070, 40.9113)

Have a look what the booklet for
XYZ(30.9413, 37.9070, 40.9113)
contains.

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Color

**XYZ(30.9329, 37.9295,
40.8127)**

Conversions

Conversions Part 1

Format	Color
Hex	80AFA4
RGB	128, 175, 164
RGB Percent	50%, 69%, 64%
CMY	0.4980, 0.3137, 0.3569
CMYK	0.27, 0.00, 0.06, 0.31
HSL	166°, 23%, 59%
HSV	166°, 27%, 69%
XYZ	30.9329, 37.9295, 40.8127
YIQ	159.6930, -24.4810, -13.3850

Conversions

Conversions Part 2

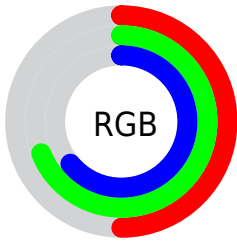
Format	Color
RYB	128, 155, 175
Decimal	8433572
CIELab	67.97, -18.01, 0.57
CIElCh	68, 18.017, 178.186
Yxy	37.9295, 0.2820, 0.3458
Android (android.graphics.Color)	4286623652 (0xFF80AFA4)
YUV	159.6930, 2.1234, -27.7948
Hunter-Lab	61.5869, -18.1230, 3.8203

Details

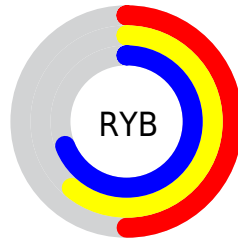
The XYZ color **30.9329, 37.9295, 40.8127** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.0599, 26.4174, 27.9424**, and the grayscale version is **33.2718, 35.0045, 38.1199**.

A 20% lighter version of the original color is **60.6535, 72.2114, 77.7592**, and **12.9447, 16.6667, 17.8640** is the 20% darker color. If you saturate the color by 10%, you get **28.1605, 36.5433, 38.7833**, and if you desaturate by 10%, it is **34.1734, 39.5576, 42.9278**.

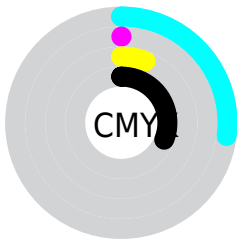
Distribution



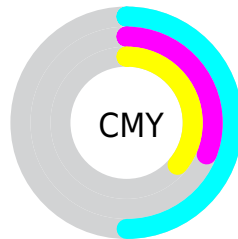
- Red (50%)
- Green (69%)
- Blue (64%)



- Red (50%)
- Yellow (61%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)





- Cyan (50%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9329, 37.9295, 40.8127 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 30.9329, 37.9295, 40.8127 by changing the saturation by 10% instead.


 30.9329, 37.9295,
40.8127


 30.9329, 37.9295,
40.8127


298.0615,
337.3174, 365.1906


 20.6993, 25.9280,
27.8542


 60.5110, 72.0001,
77.6501

 13.0156, 16.7698,
17.9777

 80.5862, 94.8379,
102.3660

 7.5164, 10.0705,
10.7647


 104.6727,
122.0566, 131.8381

 3.8363, 5.4457,
5.7967

133.1358,
154.0406, 166.4849

 1.6099, 2.5111,
2.6550

166.3409,
191.1743, 206.7251

 0.3989, 0.8822,
0.9207

204.6533,

 0.0000, 0.0000,

233.8421, 252.9770

0.0000

248.4383,
282.4283, 305.6594

■ 30.9329, 37.9295,
40.8127

■ 30.9329, 37.9295,
40.8127

■ 28.1605, 36.5433,
38.7833

■ 34.1734, 39.5576,
42.9278

■ 25.8295, 35.3824,
36.8355

■ 37.9005, 41.4342,
45.1277

■ 23.9155, 34.4350,
34.9682

■ 42.1357, 43.5712,
47.4147

■ 22.3905, 33.6868,
33.1796

■ 46.8980, 45.9786,
49.7902

■ 21.2226, 33.1215,
31.4675

■ 52.2057, 48.6658,
52.2558

■ 20.3751, 32.7199,
29.8297

■ 58.0761, 51.6416,
54.8126

■ 19.7956, 32.4553,
28.2631

■ 64.5256, 54.9145,
57.4621

■ 19.6364, 32.3836,
27.7839

■ 66.6228, 55.9422,
59.9740

■ 67.0980, 56.1323,
62.4765

Harmonies

Analogous

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



31.6665, 37.9295, 33.6920



30.9329, 37.9295, 40.8127



31.5105, 37.9295, 49.0184

Triad

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



30.9329, 37.9295, 40.8127



38.6542, 37.9295, 56.4349



38.9642, 37.9295, 29.5328

Complementary

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



30.9329, 37.9295, 40.8127



30.0599, 26.4174, 27.9424

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.



41.0076, 37.9295, 34.4354



30.9329, 37.9295, 40.8127



40.8222, 37.9295, 49.9721

Square

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



30.9329, 37.9295, 40.8127



35.8807, 37.9295, 58.7068



41.7043, 37.9295, 41.7887



36.2215, 37.9295, 27.7248

Rectangle

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



30.9329, 37.9295, 40.8127



32.5791, 37.9295, 53.8900



41.7043, 37.9295, 41.7887



39.7608, 37.9295, 30.8396

Sweetspot

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



30.9340, 37.9311, 40.8136



66.9705, 73.7476, 80.3051



30.0006, 37.7738, 26.1326



14.6556, 16.2757, 17.7170



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.9340, 37.9311, 40.8136



52.4706, 66.4635, 71.0033



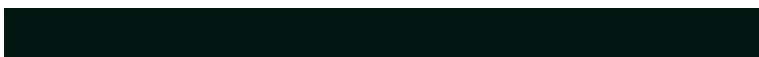
29.7828, 33.9690, 45.5462



8.1549, 9.0395, 9.8408



14.0862, 23.1997, 20.0253



0.4112, 0.6531, 0.6587

Inverse Universe

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



30.0599, 26.4174, 27.9424



50.6541, 42.4945, 44.2238



30.9183, 29.3568, 24.4596



8.0792, 8.0449, 8.7280



12.9673, 6.6495, 2.2072



0.3816, 0.1933, 0.1715

Previews

White Background



This preview shows how the XYZ color 30.9329, 37.9295, 40.8127 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 30.9329, 37.9295, 40.8127 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

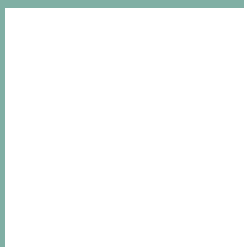
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9329, 37.9295, 40.8127

Background



This preview shows how black text looks on a background with the XYZ color 30.9329, 37.9295, 40.8127.

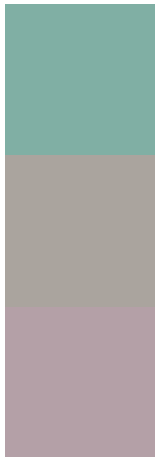


This preview shows how white text looks on a background with the XYZ color 30.9329, 37.9295,

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

30.9329, 37.9295, 40.8127

Protanopia

36.0246, 37.5656, 37.6999

Deuteranopia

38.3682, 37.6349, 41.8013



Tritanopia

33.2883, 38.0368, 52.0417

Trichromacy



Original Color

30.9329, 37.9295, 40.8127

Protanomaly

33.8654, 37.5119, 38.7133

Deuteranomaly

35.0360, 37.2405, 41.4179

Tritanomaly

32.3395, 37.9268, 47.7356

Monochromacy



Original Color

30.9329, 37.9295, 40.8127

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.1009, 35.7794, 38.9324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9329, 37.9295, 40.8127 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(128, 175, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 164)  
}
```

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(128, 175, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 164) }
```

Border

The CSS property to change the border of an element to XYZ 30.9329, 37.9295, 40.8127 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(128, 175, 164) }
```


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

```
.border{ border-color:rgb(128, 175, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 175, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9329, 37.9295, 40.8127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 164) }
```

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

```
.background{ background-color: rgb(128,  
175, 164) }
```

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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