

# Converting Colors

XYZ(29.9179, 36.6306, 43.4530)

Have a look what the booklet for  
XYZ(29.9179, 36.6306, 43.4530)  
contains.

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# Color

**XYZ(30.0844, 36.8544,  
43.5582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79ADAA
RGB	121, 173, 170
RGB Percent	47%, 68%, 67%
CMY	0.5255, 0.3216, 0.3333
CMYK	0.30, 0.00, 0.02, 0.32
HSL	177°, 24%, 58%
HSV	177°, 30%, 68%
XYZ	30.0844, 36.8544, 43.5582
YIQ	157.1100, -30.0290, -11.9570

# Conversions

## Conversions Part 2

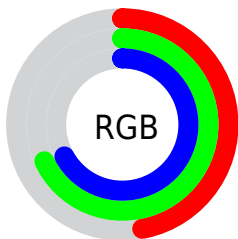
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 148, 173
Decimal	7974314
CIELab	67.17, -17.73, -3.97
CIELCh	67, 18.170, 192.635
Yxy	36.8544, 0.2723, 0.3335
Android (android.graphics.Color)	4286164394 (0xFF79ADAA)
YUV	157.1100, 6.3548, -31.6685
Hunter-Lab	60.7078, -17.7811, -0.0454

# Details

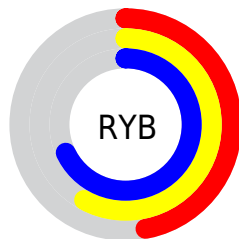
The XYZ color **30.0844, 36.8544, 43.5582** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7103, 24.0152, 22.2451**, and the grayscale version is **32.0801, 33.7508, 36.7546**.

A 20% lighter version of the original color is **59.2891, 70.5888, 81.7343**, and **12.6332, 16.2848, 19.6170** is the 20% darker color. If you saturate the color by 10%, you get **27.7802, 35.6784, 42.9597**, and if you desaturate by 10%, it is **32.8262, 38.2578, 44.1825**.

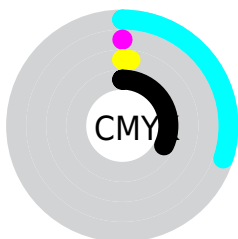
# Distribution



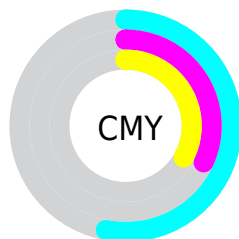
- Red (47%)
- Green (68%)
- Blue (67%)



- Red (47%)
- Yellow (58%)
- Blue (68%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (53%)
- Magenta (32%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0844, 36.8544, 43.5582 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 30.0844, 36.8544, 43.5582 by changing the saturation by 10% instead.



■ 30.0844, 36.8544,  
43.5582

■ 30.0844, 36.8544,  
43.5582

294.2004,  
332.6797, 376.8908

■ 20.0510, 25.0948,  
29.9887

■ 59.1813, 70.3488,  
81.8479

■ 12.5406, 16.1477,  
19.5780

■ 78.9756, 92.8524,  
107.4052

■ 7.1878, 9.6287,  
11.9077

■ 102.7543,  
119.7060, 137.7955

■ 3.6272, 5.1535,  
6.5591

130.8827,  
151.2942, 173.4373

■ 1.4935, 2.3376,  
3.1137

163.7261,  
188.0012, 214.7492

■ 0.3214, 0.7935,  
1.1530

201.6500,

■ 0.0000, 0.0000,

230.2116, 262.1497

0.0000

245.0196,  
278.3096, 316.0574

■ 30.0844, 36.8544,  
43.5582

■ 30.0844, 36.8544,  
43.5582

■ 27.7802, 35.6784,  
42.9597

■ 32.8262, 38.2578,  
44.1825

■ 25.8873, 34.7133,  
42.3835

■ 36.0240, 39.8953,  
44.8310

■ 24.3811, 33.9476,  
41.8290

■ 39.6990, 41.7787,  
45.5057

■ 23.2336, 33.3666,  
41.2951

■ 43.8699, 43.9177,  
46.2074

■ 22.4127, 32.9540,  
40.7802

■ 48.5547, 46.3215,  
46.9369

■ 21.8806, 32.6901,  
40.2825

■ 53.7704, 48.9989,  
47.6950

■ 21.5565, 32.5334,  
39.8010

■ 59.5331, 51.9582,  
48.4825

■ 64.2193, 54.3625,  
49.2234

■ 64.3200, 54.4028,  
49.7536

# Harmonies

## Analogous

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



30.1873, 36.8544, 35.7453



30.0844, 36.8544, 43.5582



31.2547, 36.8544, 51.3725

# Triad

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



30.0844, 36.8544, 43.5582



38.7620, 36.8544, 52.4293



36.6429, 36.8544, 27.2588

# Complementary

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



30.0844, 36.8544, 43.5582



27.7103, 24.0152, 22.2451

# 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.



39.0955, 36.8544, 30.6574



30.0844, 36.8544, 43.5582



40.3625, 36.8544, 44.8554

# Square

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



30.0844, 36.8544, 43.5582



36.2070, 36.8544, 56.9295



40.4877, 36.8544, 36.8831



33.8768, 36.8544, 27.0078



# Rectangle

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



30.0844, 36.8544, 43.5582



32.6373, 36.8544, 55.2573



40.4877, 36.8544, 36.8831



37.5348, 36.8544, 28.0482

# Sweetspot

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



30.0855, 36.8559, 43.5590



65.0719, 71.7331, 80.3938



26.7756, 35.5891, 23.5479



13.9523, 15.4922, 17.4350



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.



30.0855, 36.8559, 43.5590



51.0812, 64.5747, 77.2989



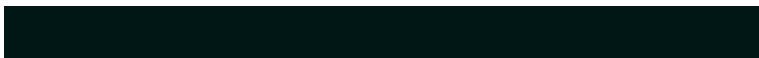
26.4100, 29.0452, 43.7513



8.2161, 9.0640, 10.1628



15.8431, 23.9025, 29.2770



0.4466, 0.6673, 0.8455



# Inverse Universe

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



27.7103, 24.0152, 22.2451



46.1473, 37.8887, 33.0143



30.5888, 30.0714, 22.2819



8.0233, 8.0226, 8.4335



12.7082, 6.5458, 0.8431

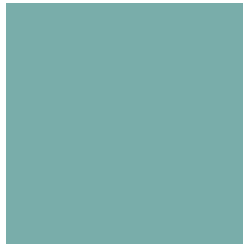


0.3595, 0.1845, 0.0547



# Previews

## White Background



This preview shows how the XYZ color 30.0844, 36.8544, 43.5582 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 30.0844, 36.8544, 43.5582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

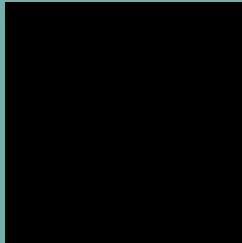
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.0844, 36.8544, 43.5582**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.0844, 36.8544, 43.5582.



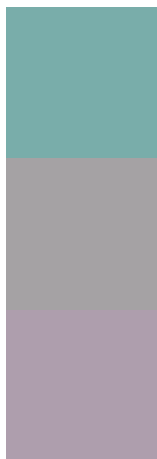
This preview shows how white text looks on a background with the XYZ color 30.0844, 36.8544,



# 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

30.0844, 36.8544, 43.5582

### Protanopia

35.1382, 36.5203, 40.3191

### Deuteranopia

37.2252, 36.4695, 44.6125



## Tritanopia

31.5268, 36.8716, 50.8027

# Trichromacy



## Original Color

30.0844, 36.8544, 43.5582

## Protanomaly

32.9136, 36.4152, 41.3705

## Deuteranomaly

34.0612, 36.1415, 44.2105

## Tritanomaly

31.0576, 36.9707, 48.1470

# Monochromacy



## Original Color

30.0844, 36.8544, 43.5582

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

31.1204, 34.7323, 39.2462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0844, 36.8544, 43.5582 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(121, 173, 170)` looks like.

```
.text, #text, p{  
    color:rgb(121, 173, 170)  
}
```

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(121, 173, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 173, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0844, 36.8544, 43.5582 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(121, 173, 170) }
```



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

```
.border{ border-color:rgb(121, 173, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 173, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 173, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 173, 170);  
box-shadow:4px 4px 4px 4px rgb(121, 173,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0844, 36.8544, 43.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 173, 170) }
```

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

```
.background{ background-color: rgb(121,  
173, 170) }
```

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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