

# Converting Colors

XYZ(30.9764, 43.7077, 42.2787)

Have a look what the booklet for  
XYZ(30.9764, 43.7077, 42.2787)  
contains.

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# Color

**XYZ(31.1203, 43.8969,  
42.4300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62C2A5
RGB	98, 194, 165
RGB Percent	38%, 76%, 65%
CMY	0.6157, 0.2392, 0.3529
CMYK	0.49, 0.00, 0.15, 0.24
HSL	162°, 44%, 57%
HSV	162°, 49%, 76%
XYZ	31.1203, 43.8969, 42.4300
YIQ	161.9900, -47.9070, -29.3710

# Conversions

## Conversions Part 2

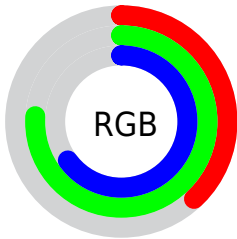
<b>Format</b>	<b>Color</b>
<b>RYB</b>	98, 155, 194
Decimal	6472357
CIELab	72.16, -35.38, 5.92
CIElCh	72, 35.871, 170.507
Yxy	43.8969, 0.2650, 0.3738
Android (android.graphics.Color)	4284662437 (0xFF62C2A5)
YUV	161.9900, 1.4839, -56.1192
Hunter-Lab	66.2547, -32.1031, 8.4086

# Details

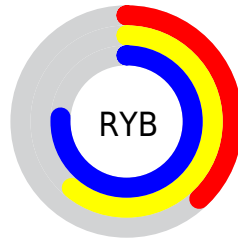
The XYZ color **31.1203, 43.8969, 42.4300** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4480, 21.7381, 22.6713**, and the grayscale version is **34.3483, 36.1371, 39.3533**.

A 20% lighter version of the original color is **60.7419, 81.0317, 80.1494**, and **13.1580, 20.3605, 18.8593** is the 20% darker color. If you saturate the color by 10%, you get **28.7543, 42.7385, 39.5987**, and if you desaturate by 10%, it is **34.0205, 45.3301, 45.4158**.

# Distribution



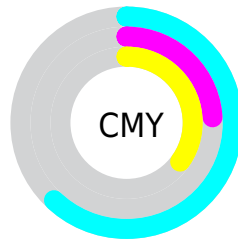
- Red (38%)
- Green (76%)
- Blue (65%)



- Red (38%)
- Yellow (61%)
- Blue (76%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)




- Cyan (62%)
- Magenta (24%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1203, 43.8969, 42.4300 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 31.1203, 43.8969, 42.4300 by changing the saturation by 10% instead.





 31.1203, 43.8969,  
42.4300


 31.1203, 43.8969,  
42.4300


298.9091,  
362.2874, 372.1145

 20.8427, 30.5895,  
29.1101


 60.8040, 81.0626,  
80.1271


 13.1209, 20.2864,  
18.9178


 80.9408, 105.6896,  
105.3413

 7.5894, 12.6034,  
11.4347

 105.0948,  
134.8586, 135.3574

 3.8830, 7.1560,  
6.2422

 133.6312,  
168.9540, 170.5939

 1.6361, 3.5599,  
2.9217

166.9156,  
208.3602, 211.4693

 0.4158, 1.4305,  
1.0548

205.3131,

 0.0000, 0.2391,

253.4616, 258.4022

0.0000

249.1892,  
304.6425, 311.8111

■ 0.0000, 0.0000,  
0.0000

■ 31.1203, 43.8969,  
42.4300

■ 31.1203, 43.8969,  
42.4300

■ 28.7543, 42.7385,  
39.5987

■ 34.0205, 45.3301,  
45.4158

■ 26.8811, 41.8303,  
36.9155

■ 37.4851, 47.0502,  
48.5564

■ 25.4594, 41.1521,  
34.3777


■ 41.5463, 49.0750,  
51.8558


■ 24.4387, 40.6779,  
31.9811


■ 46.2328, 51.4192,  
55.3170


■ 23.7275, 40.3606,  
29.7196


■ 51.5714, 54.0967,  
58.9429

 23.6936, 40.3456,  
29.6063

 57.5872, 57.1202,  
62.7360

 64.3042, 60.5022,  
66.6991

 71.7450, 64.2542,  
70.8346

 73.1547, 64.8940,  
74.8281

# Harmonies

## Analogous

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



33.2527, 43.8969, 29.3439



31.1203, 43.8969, 42.4300



31.6056, 43.8969, 60.6581

# Triad

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



31.1203, 43.8969, 42.4300



46.0004, 43.8969, 87.0123



49.6972, 43.8969, 26.1497

# Complementary

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



31.1203, 43.8969, 42.4300



30.4480, 21.7381, 22.6713

# 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.



53.7967, 43.8969, 36.8946



31.1203, 43.8969, 42.4300



51.5212, 43.8969, 72.7085

# Square

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



31.1203, 43.8969, 42.4300



39.8043, 43.8969, 89.5429



54.4951, 43.8969, 53.5969



43.7018, 43.8969, 21.5866



# Rectangle

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



31.1203, 43.8969, 42.4300



33.3684, 43.8969, 73.3176



54.4951, 43.8969, 53.5969



51.3665, 43.8969, 29.0135

# Sweetspot

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



31.1215, 43.8987, 42.4310



78.7325, 90.6392, 96.5725



30.4601, 44.0876, 18.4602



16.8518, 19.6542, 20.8556



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



31.1215, 43.8987, 42.4310



51.9215, 77.3445, 71.5148



30.3798, 37.7011, 56.7169



10.2347, 11.3749, 12.2394



15.6150, 26.5400, 19.6632



0.7040, 1.1585, 1.0042



# Inverse Universe

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



30.4480, 21.7381, 22.6713



50.5937, 32.7348, 31.8773



30.6535, 24.7511, 14.7177



10.1957, 10.1269, 11.1209



15.1721, 7.7586, 3.5522

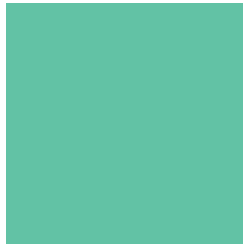


0.6869, 0.3478, 0.3185



# Previews

## White Background



This preview shows how the XYZ color 31.1203, 43.8969, 42.4300 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 31.1203, 43.8969, 42.4300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

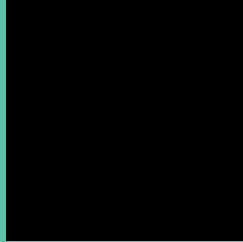
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 31.1203, 43.8969, 42.4300

## Background



This preview shows how black text looks on a background with the XYZ color 31.1203, 43.8969, 42.4300.



This preview shows how white text looks on a background with the XYZ color 31.1203, 43.8969,

42.4300.

# 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

31.1203, 43.8969, 42.4300

### Protanopia

41.0135, 43.2168, 37.1904

### Deuteranopia

44.1361, 43.2538, 44.0528



## **Tritanopia**

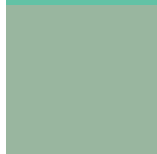
35.4034, 44.0060, 63.7548

# Trichromacy



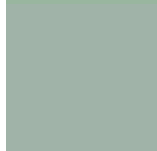
## Original Color

31.1203, 43.8969, 42.4300



## Protanomaly

36.1228, 42.7314, 39.1450



## Deuteranomaly

37.6852, 42.5409, 43.2708



## Tritanomaly

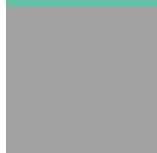
33.7508, 43.9826, 55.4258

# Monochromacy



## Original Color

31.1203, 43.8969, 42.4300



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

32.3944, 38.4054, 40.3560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.1203, 43.8969, 42.4300 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(98, 194, 165)` looks like.

```
.text, #text, p{  
    color:rgb(98, 194, 165)  
}
```

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(98, 194, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 194, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 31.1203, 43.8969, 42.4300 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(98, 194, 165) }
```



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

```
.border{ border-color:rgb(98, 194, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 194, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 194, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 194, 165); box-shadow:4px 4px 4px 4px rgb(98, 194, 165) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.1203, 43.8969, 42.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 194, 165) }
```

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

```
.background{ background-color: rgb(98, 194,  
165) }
```

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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