

# Converting Colors

XYZ(30.4913, 29.7990, 42.3172)

Have a look what the booklet for  
XYZ(30.4913, 29.7990, 42.3172)  
contains.

<b>XYZ(30.5180, 29.9254, 42.1979)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.5180, 29.9254,  
42.1979)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9991AA
RGB	153, 145, 170
RGB Percent	60%, 57%, 67%
CMY	0.4000, 0.4314, 0.3333
CMYK	0.10, 0.15, 0.00, 0.33
HSL	259°, 13%, 62%
HSV	259°, 15%, 67%
XYZ	30.5180, 29.9254, 42.1979
YIQ	150.2420, -3.2570, 9.4710

# Conversions

## Conversions Part 2

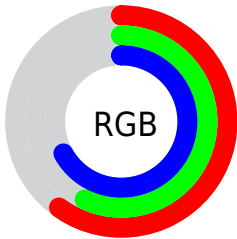
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 145, 170
Decimal	10064298
CIE <sub>Lab</sub>	61.59, 7.94, -12.04
CIE <sub>LCh</sub>	62, 14.424, 303.407
Yxy	29.9254, 0.2973, 0.2916
Android (android.graphics.Color)	4288254378 (0xFF9991AA)
YUV	150.2420, 9.7407, 2.4188
Hunter-Lab	54.7041, 3.8483, -7.4425

# Details

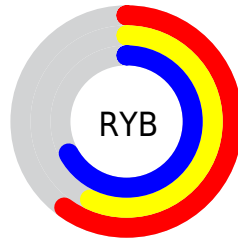
The XYZ color **30.5180, 29.9254, 42.1979** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3869, 38.4759, 32.4037**, and the grayscale version is **29.0538, 30.5669, 33.2874**.

A 20% lighter version of the original color is **59.7462, 59.5485, 79.5792**, and **12.8417, 12.3172, 18.8402** is the 20% darker color. If you saturate the color by 10%, you get **26.0350, 24.0430, 41.2992**, and if you desaturate by 10%, it is **35.6029, 36.6967, 43.2374**.

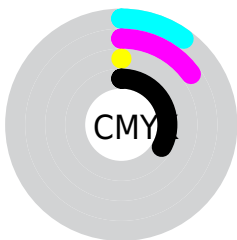
# Distribution



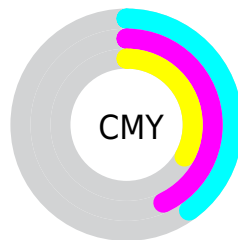
- Red (60%)
- Green (57%)
- Blue (67%)



- Red (60%)
- Yellow (57%)
- Blue (67%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (43%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5180, 29.9254, 42.1979 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 30.5180, 29.9254, 42.1979 by changing the saturation by 10% instead.



■ 30.5180, 29.9254,  
42.1979

■ 30.5180, 29.9254,  
42.1979

296.1783,  
301.5566, 371.1265

■ 20.3821, 19.7820,  
28.9296

■ 59.8614, 59.5442,  
79.7724

■ 12.7830, 12.2367,  
18.7824

■ 79.7997, 79.7883,  
104.9156

■ 7.3552, 6.9051,  
11.3379

103.7361,  
104.1682, 134.8542

■ 3.7335, 3.4028,  
6.1776

132.0361,  
133.0681, 170.0066

■ 1.5525, 1.3455,  
2.8828

165.0649,  
166.8725, 210.7916

■ 0.3612, 0.1760,  
1.0351

203.1880,

■ 0.0000, 0.0000,

205.9658, 257.6275

0.0000

246.7706,  
250.7323, 310.9330

■ 30.5180, 29.9254,  
42.1979

■ 30.5180, 29.9254,  
42.1979

■ 26.0350, 24.0430,  
41.2992

■ 35.6029, 36.6967,  
43.2374

■ 22.1281, 19.0083,  
40.5333

■ 41.3090, 44.3885,  
44.4213

■ 18.7734, 14.7823,  
39.8944

■ 47.6578, 53.0352,  
45.7556

■ 15.9443, 11.3214,  
39.3755

■ 54.6692, 62.6684,  
47.2455

■ 13.6117, 8.5779,  
38.9689

■ 62.3620, 73.3183,  
48.8957

■ 11.7435, 6.4984,  
38.6660

■ 70.7543, 85.0138,  
50.7108

■ 10.3034, 5.0219,  
38.4569

■ 76.9235, 91.9024,  
51.7153

■ 9.2483, 4.0745,  
38.3297

■ 80.8424, 93.9227,  
51.8987

■ 8.7983, 3.6975,  
38.2806

■ 84.2558, 95.6823,  
52.0584

# Harmonies

## Analogous

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



28.6625, 29.9254, 44.2781



30.5180, 29.9254, 42.1979



31.8627, 29.9254, 37.5332

# Triad

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



30.5180, 29.9254, 42.1979



30.1226, 29.9254, 24.0382



24.9253, 29.9254, 33.2141

# Complementary

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



30.5180, 29.9254, 42.1979



34.3869, 38.4759, 32.4037

# 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.



25.2776, 29.9254, 28.0896



30.5180, 29.9254, 42.1979



28.2250, 29.9254, 23.1542

# Square

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



30.5180, 29.9254, 42.1979



31.6273, 29.9254, 27.1182



26.4646, 29.9254, 24.5533



25.4803, 29.9254, 38.7382



# Rectangle

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



30.5180, 29.9254, 42.1979



32.2580, 29.9254, 33.8088



26.4646, 29.9254, 24.5533



24.9417, 29.9254, 31.3885

# Sweetspot

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



30.5189, 29.9267, 42.1986



65.2173, 67.4131, 78.5766



31.8688, 34.7930, 43.0667



14.3821, 14.8167, 17.4896



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.



30.5189, 29.9267, 42.1986



52.3023, 50.2492, 75.9443



32.9859, 31.1984, 42.3140



7.3494, 7.4127, 9.4618



6.5246, 2.7470, 28.1618



0.2116, 0.0941, 0.6877



# Inverse Universe

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



33.2255, 31.4068, 38.4947



58.3069, 53.5349, 67.6292



31.9877, 37.2391, 32.2914



7.7382, 7.6252, 8.9388



14.5230, 7.2179, 12.8316



0.3751, 0.1843, 0.4268



# Previews

## White Background



This preview shows how the XYZ color 30.5180, 29.9254, 42.1979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5180, 29.9254, 42.1979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

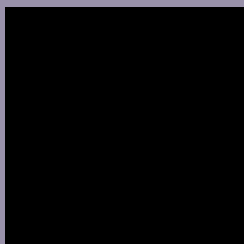
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.5180, 29.9254, 42.1979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5180, 29.9254, 42.1979.



This preview shows how white text looks on a background with the XYZ color 30.5180, 29.9254,



# 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

30.5180, 29.9254, 42.1979

### Protanopia

29.5379, 30.0877, 43.2804

### Deuteranopia

30.5180, 29.9254, 42.1979



## Tritanopia

29.4542, 29.9499, 37.0294

# Trichromacy



## Original Color

30.5180, 29.9254, 42.1979

## Protanomaly

29.8170, 30.0108, 42.7492

## Deuteranomaly

30.5180, 29.9254, 42.1979

## Tritanomaly

29.8386, 29.8775, 38.8446

# Monochromacy



## Original Color

30.5180, 29.9254, 42.1979

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

29.4382, 30.1934, 36.1746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5180, 29.9254, 42.1979 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(153, 145, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 145, 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(153, 145, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 145, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5180, 29.9254, 42.1979 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(153, 145, 170) }
```



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

```
.border{ border-color:rgb(153, 145, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 145, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 145, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 145, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 145,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5180, 29.9254, 42.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 145, 170) }
```

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

```
.background{ background-color: rgb(153,  
145, 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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