

# Converting Colors

XYZ(32.5163, 30.6082, 56.5632)

Have a look what the booklet for  
XYZ(32.5163, 30.6082, 56.5632)  
contains.

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# Color

**XYZ(32.4836, 30.6259,  
56.4239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9591C4
RGB	149, 145, 196
RGB Percent	58%, 57%, 77%
CMY	0.4157, 0.4314, 0.2314
CMYK	0.24, 0.26, 0.00, 0.23
HSL	245°, 30%, 67%
HSV	245°, 26%, 77%
XYZ	32.4836, 30.6259, 56.4239
YIQ	152.0100, -13.9870, 16.7090

# Conversions

## Conversions Part 2

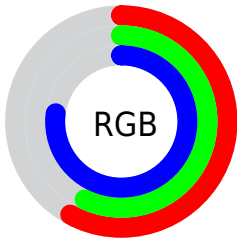
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 145, 196
Decimal	9802180
CIE <sub>Lab</sub>	62.19, 12.55, -25.83
CIE <sub>LCh</sub>	62, 28.720, 295.913
Yxy	30.6259, 0.2718, 0.2562
Android (android.graphics.Color)	4287992260 (0xFF9591C4)
YUV	152.0100, 21.6871, -2.6398
Hunter-Lab	55.3407, 7.9289, -21.7121

# Details

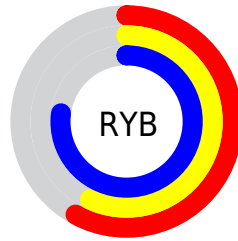
The XYZ color **32.4836, 30.6259, 56.4239** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.5900, 52.7315, 34.5120**, and the grayscale version is **29.7639, 31.3139, 34.1008**.

A 20% lighter version of the original color is **63.0549, 60.7761, 101.3361**, and **13.9045, 12.6788, 27.3056** is the 20% darker color. If you saturate the color by 10%, you get **26.6993, 23.5755, 55.3684**, and if you desaturate by 10%, it is **39.2978, 38.9756, 57.6769**.

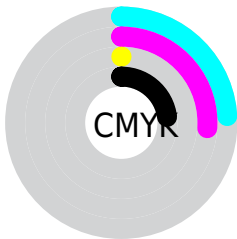
# Distribution



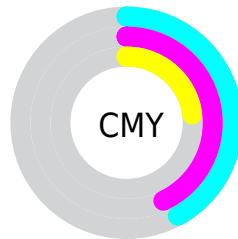
- Red (58%)
- Green (57%)
- Blue (77%)



- Red (58%)
- Yellow (57%)
- Blue (77%)



- Cyan (24%)
- Magenta (26%)
- Yellow (0%)
- Black (23%)



- Cyan (42%)
- Magenta (43%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4836, 30.6259, 56.4239 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 32.4836, 30.6259, 56.4239 by changing the saturation by 10% instead.



■ 32.4836, 30.6259,  
56.4239

■ 32.4836, 30.6259,  
56.4239

305.0226,  
304.8111, 428.7202

■ 21.8885, 20.3141,  
40.1366

■ 62.9285, 60.6506,  
101.1161

■ 13.8911, 12.6236,  
27.3305

■ 83.5091, 81.1323,  
130.3580

■ 8.1262, 7.1699,  
17.5870

108.1488,  
105.7729, 164.7553

■ 4.2283, 3.5686,  
10.4875

137.2131,  
134.9566, 204.7264

■ 1.8321, 1.4353,  
5.6135

171.0672,  
169.0679, 250.6899

■ 0.5369, 0.2425,  
2.5466

210.0766,

■ 0.0000, 0.0000,

208.4911, 303.0644

0.8647

254.6067,  
253.6107, 362.2683

■ 0.0000, 0.0000,  
0.0000

■ 32.4836, 30.6259,  
56.4239

■ 32.4836, 30.6259,  
56.4239

■ 26.6993, 23.5755,  
55.3684

■ 39.2978, 38.9756,  
57.6769

■ 21.8917, 17.7556,  
54.4984

■ 47.1853, 48.6814,  
59.1346

■ 18.0078, 13.0965,  
53.8039

■ 56.1910, 59.8014,  
60.8063

■ 14.9879, 9.5202,  
53.2727

■ 66.3561, 72.3891,  
62.7003

■ 12.7656, 6.9391,  
52.8916

■ 77.7198, 86.4952,  
64.8241

■ 11.2646, 5.2517,  
52.6451

■ 86.9639, 96.7656,  
66.3192

■ 10.3919, 4.3319,  
52.5135

■ 10.1670, 4.0902,  
52.4787

# Harmonies

## Analogous

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



28.5818, 30.6259, 59.4417



32.4836, 30.6259, 56.4239



35.7172, 30.6259, 46.7740

# Triad

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



32.4836, 30.6259, 56.4239



33.4821, 30.6259, 18.6269



22.2993, 30.6259, 31.8503

# Complementary

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



32.4836, 30.6259, 56.4239



46.5900, 52.7315, 34.5120

# 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.



23.3707, 30.6259, 22.7712



32.4836, 30.6259, 56.4239



29.6426, 30.6259, 16.2856

# Square

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



32.4836, 30.6259, 56.4239



36.3286, 30.6259, 24.8731



25.9766, 30.6259, 17.6155



22.9155, 30.6259, 43.5538



# Rectangle

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



32.4836, 30.6259, 56.4239



36.9398, 30.6259, 38.8075



25.9766, 30.6259, 17.6155



22.4713, 30.6259, 28.4233

# Sweetspot

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



32.4846, 30.6271, 56.4246



82.3023, 84.2749, 106.5366



40.6234, 47.9694, 59.3430



17.1349, 17.4458, 22.7142



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.



32.4846, 30.6271, 56.4246



52.8920, 48.2142, 101.1263



37.5235, 33.2248, 56.6604



9.5999, 9.7849, 12.6675



6.5623, 2.6434, 33.7210



0.3092, 0.1274, 1.4582



# Inverse Universe

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



42.4058, 35.7936, 54.5443



73.8235, 59.1183, 96.9805



40.8092, 49.7513, 34.2415



10.4621, 10.2335, 12.5240



19.9770, 9.6806, 28.8548

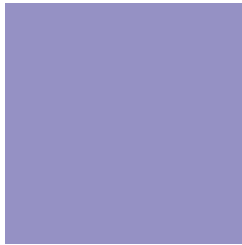


0.8735, 0.4224, 1.3010



# Previews

## White Background



This preview shows how the XYZ color 32.4836, 30.6259, 56.4239 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 32.4836, 30.6259, 56.4239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

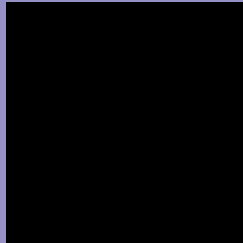
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.4836, 30.6259, 56.4239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.4836, 30.6259, 56.4239.



This preview shows how white text looks on a background with the XYZ color 32.4836, 30.6259,



# 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

32.4836, 30.6259, 56.4239

### Protanopia

31.0521, 30.5376, 58.2906

### Deuteranopia

31.4247, 30.7827, 55.9151



## Tritanopia

29.0052, 30.6172, 39.0313

# Trichromacy



## Original Color

32.4836, 30.6259, 56.4239

## Protanomaly

31.6113, 30.6074, 57.6678

## Deuteranomaly

31.7856, 30.7369, 55.8873

## Tritanomaly

30.1624, 30.6098, 44.8760

# Monochromacy



## Original Color

32.4836, 30.6259, 56.4239

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.5778, 30.9014, 41.3987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.4836, 30.6259, 56.4239 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(149, 145, 196)` looks like.

```
.text, #text, p{  
    color:rgb(149, 145, 196)  
}
```

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(149, 145, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 145, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 32.4836, 30.6259, 56.4239 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(149, 145, 196) }
```



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

```
.border{ border-color:rgb(149, 145, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 145, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 145, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 145, 196);  
box-shadow:4px 4px 4px 4px rgb(149, 145,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.4836, 30.6259, 56.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 145, 196) }
```

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

```
.background{ background-color: rgb(149,  
145, 196) }
```

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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