

# Converting Colors

XYZ(32.9615, 30.5079, 62.5373)

Have a look what the booklet for  
XYZ(32.9615, 30.5079, 62.5373)  
contains.

<b>XYZ(32.9679, 30.5137, 62.5447)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.9679, 30.5137,  
62.5447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9290CE
RGB	146, 144, 206
RGB Percent	57%, 56%, 81%
CMY	0.4274, 0.4353, 0.1922
CMYK	0.29, 0.30, 0.00, 0.19
HSL	242°, 39%, 69%
HSV	242°, 30%, 81%
XYZ	32.9679, 30.5137, 62.5447
YIQ	151.6660, -18.7100, 19.7060

# Conversions

## Conversions Part 2

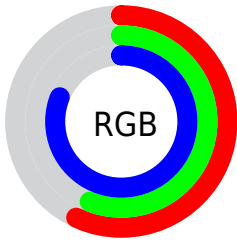
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 144, 206
Decimal	9605326
CIE Lab	62.09, 14.69, -31.61
CIE LCh	62, 34.856, 294.929
Yxy	30.5137, 0.2616, 0.2421
Android (android.graphics.Color)	4287795406 (0xFF9290CE)
YUV	151.6660, 26.7867, -4.9691
Hunter-Lab	55.2392, 9.8639, -28.4638

# Details

The XYZ color **32.9679, 30.5137, 62.5447** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.0078, 58.9942, 35.0326**, and the grayscale version is **29.5961, 31.1374, 33.9087**.

A 20% lighter version of the original color is **62.3315, 60.0257, 102.9086**, and **14.2047, 12.6195, 30.9653** is the 20% darker color. If you saturate the color by 10%, you get **26.8878, 23.1631, 61.4469**, and if you desaturate by 10%, it is **40.2373, 39.3238, 63.8626**.

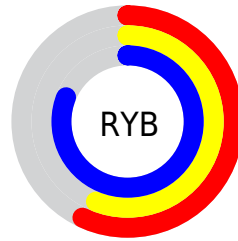
# Distribution



Red (57%)

Green (56%)

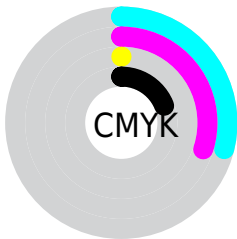
Blue (81%)



Red (57%)

Yellow (56%)

Blue (81%)

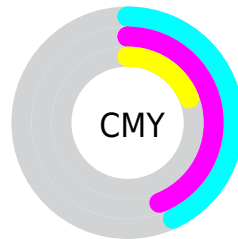


Cyan (29%)

Magenta (30%)

Yellow (0%)

Black (19%)



Cyan (43%)

Magenta (44%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9679, 30.5137, 62.5447 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 32.9679, 30.5137, 62.5447 by changing the saturation by 10% instead.



■ 32.9679, 30.5137,  
62.5447

■ 32.9679, 30.5137,  
62.5447

307.1726,  
304.2916, 451.9776

■ 22.2610, 20.2288,  
45.0343

■ 63.6804, 60.4736,  
110.0916

■ 14.1665, 12.5615,  
31.1413

■ 84.4167, 80.9175,  
140.9652

■ 8.3190, 7.1273,  
20.4471

109.2269,  
105.5164, 177.1304

■ 4.3533, 3.5418,  
12.5332

138.4762,  
134.6549, 219.0056

■ 1.9039, 1.4207,  
6.9810

172.5301,  
168.7172, 267.0093

■ 0.5791, 0.2319,  
3.3719

211.7539,

■ 0.0000, 0.0000,

208.0879, 321.5602

1.2875

256.5129,  
253.1512, 383.0768

■ 0.0000, 0.0000,  
0.0515

■ 0.0000, 0.0000,  
0.0000

■ 32.9679, 30.5137,  
62.5447

■ 32.9679, 30.5137,  
62.5447

■ 26.8878, 23.1631,  
61.4469

■ 40.2373, 39.3238,  
63.8626

■ 21.9309, 17.1898,  
60.5552

■ 48.7512, 49.6625,  
65.4095

■ 18.0291, 12.5092,  
59.8574

■ 58.5653, 61.5987,  
67.1961

■ 15.1062, 9.0258,  
59.3391

■ 69.7309, 75.1961,  
69.2322

■ 13.0751, 6.6307,  
58.9838

■ 82.2965, 90.5149,  
71.5267

■ 11.8340, 5.1957,  
58.7722

■ 88.1407, 97.2363,  
72.5161

■ 11.2239, 4.4992,  
58.6700

# Harmonies

## Analogous

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



28.2133, 30.5137, 66.1220



32.9679, 30.5137, 62.5447



37.0185, 30.5137, 50.3643

# Triad

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



32.9679, 30.5137, 62.5447



34.4931, 30.5137, 16.2649



20.9221, 30.5137, 30.9954

# Complementary

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



32.9679, 30.5137, 62.5447



52.0078, 58.9942, 35.0326

# 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.



22.2360, 30.5137, 20.4945



32.9679, 30.5137, 62.5447



29.8060, 30.5137, 13.5807

# Square

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



32.9679, 30.5137, 62.5447



37.9634, 30.5137, 23.4923



25.3683, 30.5137, 14.8891



21.5756, 30.5137, 45.3295



# Rectangle

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



32.9679, 30.5137, 62.5447



38.6006, 30.5137, 40.3948



25.3683, 30.5137, 14.8891



21.1437, 30.5137, 26.9568

# Sweetspot

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



32.9689, 30.5149, 62.5454



80.4566, 82.2498, 106.2430



44.4663, 54.0330, 66.4789



16.7517, 17.0344, 22.6550



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.



32.9689, 30.5149, 62.5454



46.9425, 41.6099, 100.1651



39.0268, 33.6378, 62.8289



10.6347, 10.8610, 14.1062



6.9270, 2.7785, 36.1275



0.3693, 0.1495, 1.8643



# Inverse Universe

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



46.3267, 37.4290, 61.9101



71.9495, 54.5562, 98.8657



44.5543, 55.1518, 34.6838



11.6713, 11.3973, 14.0697



22.0540, 10.6322, 34.3326

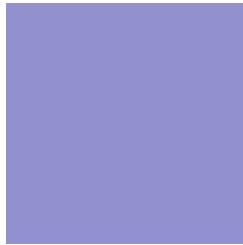


1.1428, 0.5505, 1.7976



# Previews

## White Background



This preview shows how the XYZ color 32.9679, 30.5137, 62.5447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

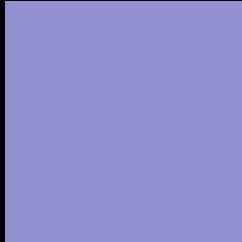
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.9679, 30.5137, 62.5447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

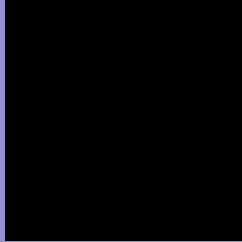
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.9679, 30.5137, 62.5447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.9679, 30.5137, 62.5447.



This preview shows how white text looks on a background with the XYZ color 32.9679, 30.5137,



# 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

32.9679, 30.5137, 62.5447

### Protanopia

31.4586, 30.6086, 64.5716

### Deuteranopia

31.2822, 30.5741, 62.0103



## Tritanopia

28.2456, 30.4552, 39.5117

# Trichromacy



## Original Color

32.9679, 30.5137, 62.5447

## Protanomaly

31.9722, 30.6557, 63.9065

## Deuteranomaly

31.9344, 30.6785, 61.9960

## Tritanomaly

29.6993, 30.3250, 46.9358

# Monochromacy



## Original Color

32.9679, 30.5137, 62.5447

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.7715, 30.9575, 43.3833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.9679, 30.5137, 62.5447 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(146, 144, 206)` looks like.

```
.text, #text, p{  
    color:rgb(146, 144, 206)  
}
```

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(146, 144, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 144, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 32.9679, 30.5137, 62.5447 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(146, 144, 206) }
```



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

```
.border{ border-color:rgb(146, 144, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 144, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 144, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 144, 206);  
box-shadow:4px 4px 4px 4px rgb(146, 144,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.9679, 30.5137, 62.5447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 144, 206) }
```

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

```
.background{ background-color: rgb(146,  
144, 206) }
```

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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