

# Converting Colors

XYZ(29.0860, 31.4986, 46.9300)

Have a look what the booklet for  
XYZ(29.0860, 31.4986, 46.9300)  
contains.

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# Color

**XYZ(29.0639, 31.4432,  
47.1851)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	829BB3
RGB	130, 155, 179
RGB Percent	51%, 61%, 70%
CMY	0.4902, 0.3921, 0.2980
CMYK	0.27, 0.13, 0.00, 0.30
HSL	209°, 24%, 61%
HSV	209°, 27%, 70%
XYZ	29.0639, 31.4432, 47.1851
YIQ	150.2610, -22.6040, 2.1640

# Conversions

## Conversions Part 2

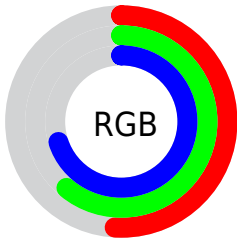
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 147, 179
Decimal	8559539
CIE <sub>Lab</sub>	62.88, -3.15, -15.35
CIE <sub>LCh</sub>	63, 15.668, 258.417
Yxy	31.4432, 0.2699, 0.2920
Android (android.graphics.Color)	4286749619 (0xFF829BB3)
YUV	150.2610, 14.1683, -17.7689
Hunter-Lab	56.0742, -5.6114, -10.6391

# Details

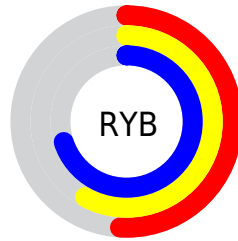
The XYZ color **29.0639, 31.4432, 47.1851** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1755, 34.3066, 25.9404**, and the grayscale version is **29.0496, 30.5624, 33.2825**.

A 20% lighter version of the original color is **57.5630, 61.7894, 87.4899**, and **11.9407, 13.0693, 21.6319** is the 20% darker color. If you saturate the color by 10%, you get **25.1472, 27.3369, 46.5995**, and if you desaturate by 10%, it is **33.5661, 36.0101, 47.8298**.

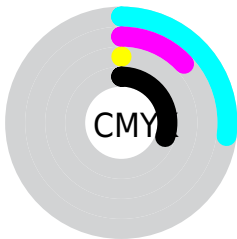
# Distribution



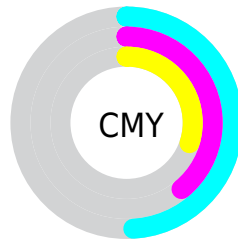
- Red (51%)
- Green (61%)
- Blue (70%)



- Red (51%)
- Yellow (58%)
- Blue (70%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (30%)



- Cyan (49%)
- Magenta (39%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0639, 31.4432, 47.1851 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 29.0639, 31.4432, 47.1851 by changing the saturation by 10% instead.



■ 29.0639, 31.4432,  
47.1851

■ 29.0639, 31.4432,  
47.1851

289.5051,  
308.5750, 391.9680

■ 19.2737, 20.9366,  
32.8266

■ 57.5755, 61.9372,  
87.3427

■ 11.9734, 13.0776,  
21.7236

■ 77.0275, 82.6933,  
113.9789

■ 6.7976, 7.4820,  
13.4576

■ 100.4309,  
107.6347, 145.5448

■ 3.3811, 3.7653,  
7.6100

128.1509,  
137.1458, 182.4589

■ 1.3583, 1.5432,  
3.7622

160.5530,  
171.6110, 225.1397

■ 0.2262, 0.3188,  
1.4958

198.0025,

■ 0.0000, 0.0000,

211.4147, 274.0058

0.2148

240.8648,  
256.9412, 329.4757

■ 0.0000, 0.0000,  
0.0000

■ 29.0639, 31.4432,  
47.1851

■ 29.0639, 31.4432,  
47.1851

■ 25.1472, 27.3369,  
46.5995

■ 33.5661, 36.0101,  
47.8298

■ 21.7862, 23.6703,  
46.0689

■ 38.6761, 41.0501,  
48.5333

■ 18.9525, 20.4260,  
45.5920

■ 44.4183, 46.5796,  
49.2980

■ 16.6140, 17.5840,  
45.1667

■ 50.8151, 52.6131,  
50.1254

■ 14.7344, 15.1219,  
44.7905

■ 57.8875, 59.1646,  
51.0172

■ 13.2721, 13.0143,  
44.4608

■ 65.6557, 66.2472,  
51.9749

■ 12.1661, 11.2259,  
44.1739

■ 74.0276, 73.8164,  
52.9946

■ 11.9065, 10.7941,  
44.1042

■ 76.3390, 78.4392,  
53.7651

■ 78.7722, 83.3055,  
54.5761

# Harmonies

## Analogous

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



27.2267, 31.4432, 43.8714



29.0639, 31.4432, 47.1851



31.2102, 31.4432, 46.7345

# Triad

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



29.0639, 31.4432, 47.1851



33.9796, 31.4432, 30.6325



26.9008, 31.4432, 26.9682

# Complementary

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



29.0639, 31.4432, 47.1851



34.1755, 34.3066, 25.9404

# 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.



28.5995, 31.4432, 24.1923



29.0639, 31.4432, 47.1851



32.7127, 31.4432, 26.1265

# Square

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



29.0639, 31.4432, 47.1851



34.1187, 31.4432, 36.6675



30.7231, 31.4432, 23.9038



26.0184, 31.4432, 31.9150



# Rectangle

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



29.0639, 31.4432, 47.1851



32.5273, 31.4432, 44.3691



30.7231, 31.4432, 23.9038



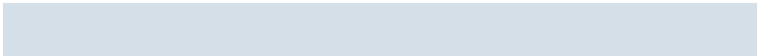
27.3914, 31.4432, 25.7771

# Sweetspot

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



29.0649, 31.4445, 47.1858



68.5309, 72.8009, 86.8212



31.1330, 39.3091, 36.3809



14.8666, 15.8197, 19.1922



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



29.0649, 31.4445, 47.1858



47.5948, 51.6716, 83.8463



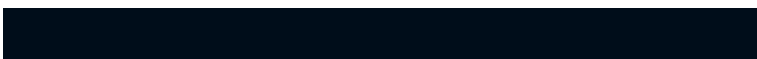
25.4349, 24.1846, 45.9758



8.3884, 8.9231, 10.7865



8.4789, 7.7582, 31.1876



0.3250, 0.3605, 1.0007



# Inverse Universe

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



32.4902, 27.9162, 34.6877



54.8943, 44.6844, 57.0928



38.5771, 43.1097, 27.4075



8.6713, 8.5752, 9.7673



14.5144, 7.3233, 7.8689

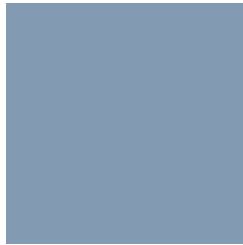


0.4861, 0.2422, 0.4023



# Previews

## White Background



This preview shows how the XYZ color 29.0639, 31.4432, 47.1851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

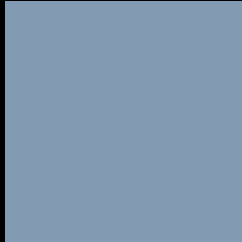
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.0639, 31.4432, 47.1851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

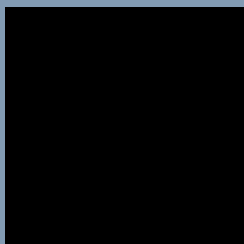
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

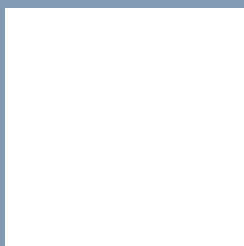
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 29.0639, 31.4432, 47.1851

## Background



This preview shows how black text looks on a background with the XYZ color 29.0639, 31.4432, 47.1851.



This preview shows how white text looks on a background with the XYZ color 29.0639, 31.4432,



# 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

29.0639, 31.4432, 47.1851

### Protanopia

30.9357, 31.4709, 45.5183

### Deuteranopia

31.9650, 31.2474, 47.5266



## Tritanopia

28.1205, 31.5677, 42.1472

# Trichromacy



## Original Color

29.0639, 31.4432, 47.1851

## Protanomaly

30.1486, 31.2935, 46.0462

## Deuteranomaly

30.9819, 31.4482, 47.6172

## Tritanomaly

28.4846, 31.4612, 44.1065

# Monochromacy



## Original Color

29.0639, 31.4432, 47.1851

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

28.9890, 30.8693, 38.1487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0639, 31.4432, 47.1851 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(130, 155, 179)` looks like.

```
.text, #text, p{  
    color:rgb(130, 155, 179)  
}
```

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(130, 155, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 155, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0639, 31.4432, 47.1851 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(130, 155, 179) }
```



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

```
.border{ border-color:rgb(130, 155, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 155, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 155, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 155, 179);  
box-shadow:4px 4px 4px 4px rgb(130, 155,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0639, 31.4432, 47.1851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 155, 179) }
```

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

```
.background{ background-color: rgb(130,  
155, 179) }
```

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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