

# Converting Colors

XYZ(31.3405, 32.2745, 51.5915)

Have a look what the booklet for  
XYZ(31.3405, 32.2745, 51.5915)  
contains.

<b>XYZ(31.3405, 32.2745, 51.5915)</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(31.3405, 32.2745,  
51.5915)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C9ABB
RGB	140, 154, 187
RGB Percent	55%, 60%, 73%
CMY	0.4510, 0.3961, 0.2667
CMYK	0.25, 0.18, 0.00, 0.27
HSL	222°, 26%, 64%
HSV	222°, 25%, 73%
XYZ	31.3405, 32.2745, 51.5915
YIQ	153.5760, -18.9370, 7.2950

# Conversions

## Conversions Part 2

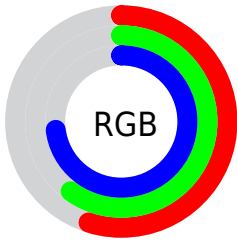
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	140, 151, 187
Decimal	9214651
CIE Lab	63.57, 2.46, -18.73
CIE LCh	64, 18.893, 277.479
Yxy	32.2745, 0.2720, 0.2801
Android (android.graphics.Color)	4287404731 (0xFF8C9ABB)
YUV	153.5760, 16.4780, -11.9062
Hunter-Lab	56.8107, -0.9463, -14.0756

# Details

The XYZ color **31.3405, 32.2745, 51.5915** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.1712, 42.3458, 30.8683**, and the grayscale version is **30.4665, 32.0531, 34.9058**.

A 20% lighter version of the original color is **60.9817, 63.0521, 93.7502**, and **13.2731, 13.5456, 24.4692** is the 20% darker color. If you saturate the color by 10%, you get **26.4036, 26.6872, 50.7738**, and if you desaturate by 10%, it is **37.0520, 38.6145, 52.5148**.

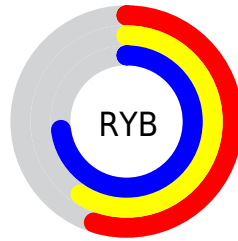
# Distribution



Red (55%)

Green (60%)

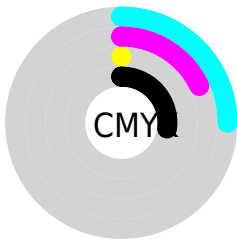
Blue (73%)



Red (55%)

Yellow (59%)

Blue (73%)

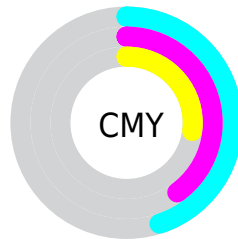


Cyan (25%)

Magenta (18%)

Yellow (0%)

Black (27%)



Cyan (45%)

Magenta (40%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3405, 32.2745, 51.5915 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 31.3405, 32.2745, 51.5915 by changing the saturation by 10% instead.



■ 31.3405, 32.2745,  
51.5915

■ 31.3405, 32.2745,  
51.5915

299.9029,  
312.3678, 409.7695

■ 21.0114, 21.5713,  
36.2996

■ 61.1480, 63.2412,  
93.9489

■ 13.2448, 13.5422,  
24.3741

■ 81.3570, 84.2734,  
121.8515

■ 7.6755, 7.8030,  
15.3966

■ 105.5900,  
109.5174, 154.7948

■ 3.9381, 3.9691,  
8.9485

134.2125,  
139.3575, 193.1972

■ 1.6672, 1.6563,  
4.6113

167.5896,  
174.1783, 237.4774

■ 0.4356, 0.3951,  
1.9663

206.0868,

■ 0.0000, 0.0000,

214.3640, 288.0538

0.5344

250.0695,  
260.2990, 345.3450

■ 0.0000, 0.0000,  
0.0000

■ 31.3405, 32.2745,  
51.5915

■ 31.3405, 32.2745,  
51.5915

■ 26.4036, 26.6872,  
50.7738

■ 37.0520, 38.6145,  
52.5148

■ 22.2036, 21.8197,  
50.0556

■ 43.5673, 45.7308,  
53.5449

■ 18.7040, 17.6420,  
49.4337

■ 50.9181, 53.6507,  
54.6862

■ 15.8641, 14.1205,  
48.9037

■ 59.1332, 62.3991,  
55.9418

■ 13.6382, 11.2185,  
48.4608

■ 68.2401, 71.9995,  
57.3149

■ 11.9747, 8.8949,  
48.1000

■ 78.2649, 82.4746,  
58.8085

■ 10.8116, 7.1024,  
47.8153

■ 83.1380, 90.7044,  
60.1401

■ 10.3697, 6.3878,  
47.7007

■ 85.9697, 96.3679,  
61.0840

# Harmonies

## Analogous

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



28.7749, 32.2745, 50.3312



31.3405, 32.2745, 51.5915



33.8651, 32.2745, 47.9681

# Triad

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



31.3405, 32.2745, 51.5915



34.8774, 32.2745, 27.0270



26.2273, 32.2745, 29.8686

# Complementary

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



31.3405, 32.2745, 51.5915



40.1712, 42.3458, 30.8683

# 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.



27.6936, 32.2745, 24.8331



31.3405, 32.2745, 51.5915



32.6590, 32.2745, 23.3639

# Square

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



31.3405, 32.2745, 51.5915



35.9818, 32.2745, 33.2855



30.0208, 32.2745, 22.6225



25.9191, 32.2745, 37.0652



# Rectangle

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



31.3405, 32.2745, 51.5915



35.1521, 32.2745, 43.5390



30.0208, 32.2745, 22.6225



26.5969, 32.2745, 27.8997

# Sweetspot

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



31.3415, 32.2758, 51.5922



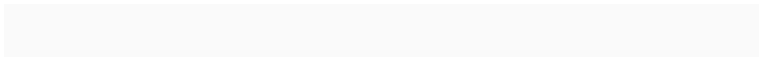
74.3767, 77.9345, 95.3242



36.1195, 44.1301, 46.0995



15.9835, 16.7313, 20.9296



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



31.3415, 32.2758, 51.5922



51.2302, 52.2841, 91.5931



30.8162, 28.7723, 50.9437



9.2420, 9.6763, 12.0528



7.2006, 4.5128, 32.8845



0.3410, 0.2947, 1.3078



# Inverse Universe

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



35.7052, 31.6551, 34.8014



60.4277, 51.2833, 56.1335



40.7731, 46.8525, 31.7064



9.6440, 9.5819, 10.5142



14.6353, 7.4853, 3.3730

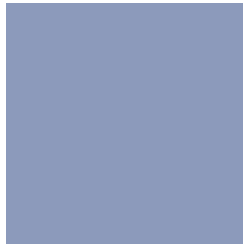


0.6030, 0.3051, 0.2889



# Previews

## White Background



This preview shows how the XYZ color 31.3405, 32.2745, 51.5915 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

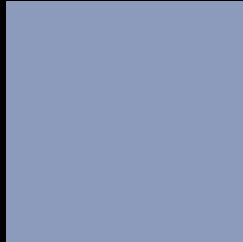
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.3405, 32.2745, 51.5915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

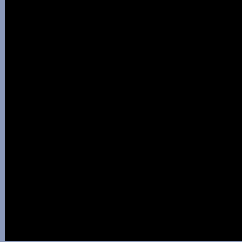
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 31.3405, 32.2745, 51.5915

## Background



This preview shows how black text looks on a background with the XYZ color 31.3405, 32.2745, 51.5915.



This preview shows how white text looks on a background with the XYZ color 31.3405, 32.2745,



# 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

31.3405, 32.2745, 51.5915

### Protanopia

31.9452, 32.1126, 50.9690

### Deuteranopia

32.9323, 32.1189, 52.0408



## Tritanopia

29.4660, 32.2505, 42.7021

# Trichromacy



## Original Color

31.3405, 32.2745, 51.5915

## Protanomaly

31.7558, 32.2569, 51.0069

## Deuteranomaly

32.3565, 32.0600, 52.0598

## Tritanomaly

30.0415, 32.2299, 45.7119

# Monochromacy



## Original Color

31.3405, 32.2745, 51.5915

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

30.8330, 32.2539, 40.6770

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.3405, 32.2745, 51.5915 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(140, 154, 187)` looks like.

```
.text, #text, p{  
    color:rgb(140, 154, 187)  
}
```

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(140, 154, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 154, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 31.3405, 32.2745, 51.5915 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(140, 154, 187) }
```



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

```
.border{ border-color:rgb(140, 154, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 154, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 154, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 154, 187);  
box-shadow:4px 4px 4px 4px rgb(140, 154,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.3405, 32.2745, 51.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 154, 187) }
```

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

```
.background{ background-color: rgb(140,  
154, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor