

# Converting Colors

XYZ(31.4291, 39.3444, 25.3649)

Have a look what the booklet for  
XYZ(31.4291, 39.3444, 25.3649)  
contains.

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# Color

**XYZ(31.4761, 39.4325,  
25.3543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B27D
RGB	146, 178, 125
RGB Percent	57%, 70%, 49%
CMY	0.4275, 0.3019, 0.5098
CMYK	0.18, 0.00, 0.30, 0.30
HSL	96°, 26%, 59%
HSV	96°, 30%, 70%
XYZ	31.4761, 39.4325, 25.3543
YIQ	162.3900, -2.0590, -23.2670

# Conversions

## Conversions Part 2

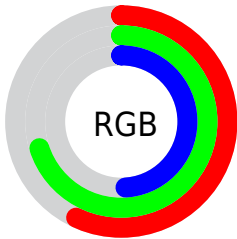
Format	Color
<a href="#">RYB</a>	<a href="#">125, 178, 157</a>
Decimal	<a href="#">9613949</a>
CIELab	<a href="#">69.06, -20.73, 23.62</a>
CIElCh	<a href="#">69, 31.422, 131.270</a>
Yxy	<a href="#">39.4325, 0.3270, 0.4096</a>
Android (android.graphics.Color)	<a href="#">4287804029 (0xFF92B27D)</a>
YUV	<a href="#">162.3900, -18.4333, -14.3740</a>
Hunter-Lab	<a href="#">62.7953, -20.4188, 20.0177</a>

# Details

The XYZ color **31.4761, 39.4325, 25.3543** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.2759, 25.0509, 45.4140**, and the grayscale version is **34.6110, 36.4135, 39.6543**.

A 20% lighter version of the original color is **61.5461, 74.4775, 53.2513**, and **13.3574, 17.6219, 9.5348** is the 20% darker color. If you saturate the color by 10%, you get **28.6179, 38.0801, 19.8074**, and if you desaturate by 10%, it is **34.7198, 40.9625, 31.9847**.

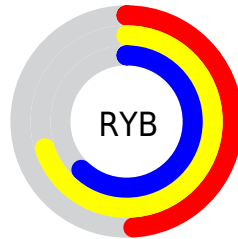
# Distribution



Red (57%)

Green (70%)

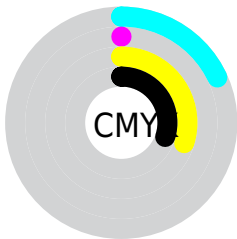
Blue (49%)



Red (49%)

Yellow (70%)

Blue (62%)

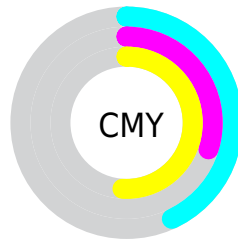


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (30%)



Cyan (43%)

Magenta (30%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4761, 39.4325, 25.3543 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 31.4761, 39.4325, 25.3543 by changing the saturation by 10% instead.





 31.4761, 39.4325,  
25.3543


 31.4761, 39.4325,  
25.3543


300.5136,  
343.7258, 293.1018


 21.1153, 27.0964,  
16.1198


 61.3596, 74.2986,  
53.2027

 13.3212, 17.6456,  
9.4537


 81.6130, 97.5973,  
72.6536

 7.7286, 10.6958,  
4.9374


 105.8946,  
125.3190, 96.3471

 3.9721, 5.8627,  
2.1525

134.5698,  
157.8480, 124.7016

 1.6864, 2.7618,  
0.6468

168.0040,  
195.5688, 158.1359

 0.4477, 1.0087,  
0.0000

206.5624,

 0.0000, 0.0000,

238.8658, 197.0683

0.0000

250.6105,  
288.1233, 241.9174

■ 31.4761, 39.4325,  
25.3543

■ 31.4761, 39.4325,  
25.3543

■ 28.6179, 38.0801,  
19.8074

■ 34.7198, 40.9625,  
31.9847

■ 26.1265, 36.8932,  
15.2838

■ 38.3608, 42.6714,  
39.7493

■ 23.9856, 35.8662,  
11.7215


■ 42.4140, 44.5670,  
48.6988


■ 22.1767, 34.9909,  
9.0505


■ 46.8928, 46.6552,  
58.8799


■ 20.6792, 34.2585,  
7.1917


■ 51.8098, 48.9415,  
70.3369


 19.4693, 33.6588,  
6.0515


 57.1770, 51.4312,  
83.1119

 18.5045, 33.1740,  
5.4394

 63.0060, 54.1294,  
97.2451

 18.4848, 33.1641,  
5.4271

 67.2456, 56.2160,  
101.9143

 70.8419, 58.0700,  
102.0826

# Harmonies

## Analogous

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



35.6277, 39.4325, 21.1594



31.4761, 39.4325, 25.3543



29.0745, 39.4325, 34.6694

# Triad

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



31.4761, 39.4325, 25.3543



34.4696, 39.4325, 74.7315



47.7459, 39.4325, 37.7649

# Complementary

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



31.4761, 39.4325, 25.3543



29.2759, 25.0509, 45.4140

# 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.



47.3656, 39.4325, 52.4206



31.4761, 39.4325, 25.3543



39.3942, 39.4325, 76.0844

# Square

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



31.4761, 39.4325, 25.3543



30.6935, 39.4325, 63.8314



44.2013, 39.4325, 67.1964



45.1984, 39.4325, 27.1839



# Rectangle

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



31.4761, 39.4325, 25.3543



28.6477, 39.4325, 43.5496



44.2013, 39.4325, 67.1964



47.9618, 39.4325, 42.3268

# Sweetspot

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



31.4771, 39.4342, 25.3552



69.9951, 77.5812, 73.0224



34.0866, 34.9936, 24.3605



15.2847, 17.0837, 15.6946



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.



31.4771, 39.4342, 25.3552



53.4555, 69.7932, 38.8839



28.4285, 37.8224, 27.0276



8.6969, 9.6488, 9.0566



13.2921, 23.7624, 3.8860



0.4849, 0.7820, 0.1254



# Inverse Universe

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



29.2759, 25.0509, 45.4140



48.7840, 39.3057, 81.3967



33.2091, 27.1388, 42.8732



8.5177, 8.4754, 10.6933



10.2019, 4.5951, 30.4862



0.3845, 0.1773, 0.9622



# Previews

## White Background



This preview shows how the XYZ color 31.4761, 39.4325, 25.3543 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 31.4761, 39.4325, 25.3543 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 31.4761, 39.4325, 25.3543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.4761, 39.4325, 25.3543.



This preview shows how white text looks on a background with the XYZ color 31.4761, 39.4325,

25.3543.

# 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

31.4761, 39.4325, 25.3543

### Protanopia

36.5099, 39.2095, 23.7331

### Deuteranopia

39.9960, 39.0805, 26.2041



## Tritanopia

36.5440, 39.1787, 50.9836

# Trichromacy



## Original Color

31.4761, 39.4325, 25.3543

## Protanomaly

34.4138, 39.2350, 24.1717

## Deuteranomaly

36.3054, 38.7797, 25.9938

## Tritanomaly

34.5033, 39.2069, 40.3995

# Monochromacy



## Original Color

31.4761, 39.4325, 25.3543

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

33.1377, 37.2431, 33.8759

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4761, 39.4325, 25.3543 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, 178, 125)` looks like.

```
.text, #text, p{  
    color:rgb(146, 178, 125)  
}
```

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, 178, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 178, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4761, 39.4325, 25.3543 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, 178, 125) }
```



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

```
.border{ border-color:rgb(146, 178, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 178, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 178, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 178, 125); box-shadow:4px 4px 4px 4px rgb(146, 178, 125) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4761, 39.4325, 25.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 178, 125) }
```

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

```
.background{ background-color: rgb(146,  
178, 125) }
```

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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