

# Converting Colors

XYZ(25.2134, 31.6997, 17.7171)

Have a look what the booklet for  
XYZ(25.2134, 31.6997, 17.7171)  
contains.

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# Color

**XYZ(25.1847, 31.6199,  
17.6078)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87A167
RGB	135, 161, 103
RGB Percent	53%, 63%, 40%
CMY	0.4706, 0.3686, 0.5961
CMYK	0.16, 0.00, 0.36, 0.37
HSL	87°, 24%, 52%
HSV	87°, 36%, 63%
XYZ	25.1847, 31.6199, 17.6078
YIQ	146.6140, 3.1220, -23.5500

# Conversions

## Conversions Part 2

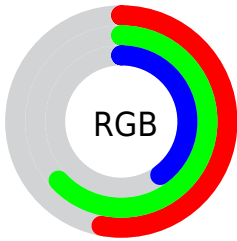
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 161, 129</a>
Decimal	<a href="#">8888679</a>
CIELab	<a href="#">63.03, -19.49, 27.29</a>
CIELCh	<a href="#">63, 33.536, 125.532</a>
Yxy	<a href="#">31.6199, 0.3384, 0.4249</a>
Android (android.graphics.Color)	<a href="#">4287078759 (0xFF87A167)</a>
YUV	<a href="#">146.6140, -21.5017, -10.1855</a>
Hunter-Lab	<a href="#">56.2316, -18.4596, 20.7966</a>

# Details

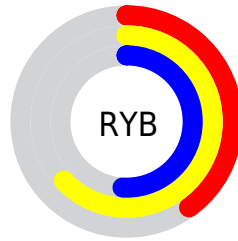
The XYZ color **25.1847, 31.6199, 17.6078** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3378, 16.9417, 35.9181**, and the grayscale version is **27.6595, 29.0999, 31.6898**.

A 20% lighter version of the original color is **51.4585, 62.2971, 40.3227**, and **9.8144, 13.0979, 5.6253** is the 20% darker color. If you saturate the color by 10%, you get **23.3311, 30.7499, 13.7013**, and if you desaturate by 10%, it is **27.2743, 32.5955, 22.3389**.

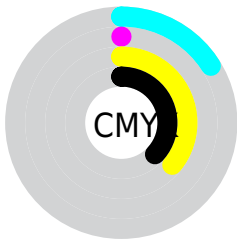
# Distribution



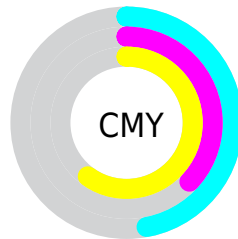
- Red (53%)
- Green (63%)
- Blue (40%)



- Red (40%)
- Yellow (63%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (36%)
- Black (37%)



- Cyan (47%)
- Magenta (37%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1847, 31.6199, 17.6078 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 25.1847, 31.6199, 17.6078 by changing the saturation by 10% instead.



■ 25.1847, 31.6199,  
17.6078

■ 25.1847, 31.6199,  
17.6078

271.0872,  
309.3841, 250.8125

■ 16.3442, 21.0713,  
10.5023

■ 51.3974, 62.2147,  
40.1728

■ 9.8604, 13.1762,  
5.6233

■ 69.5004, 83.0298,  
56.4692

■ 5.3681, 7.5500,  
2.5523

■ 91.4215, 108.0358,  
76.6665

■ 2.5018, 3.8084,  
0.8677

■ 117.5261,  
137.6172, 101.1830

■ 0.8961, 1.5669,  
0.0000

148.1797,  
172.1583, 130.4373

■ 0.0000, 0.3352,  
0.0000

183.7475,

■ 0.0000, 0.0000,

212.0436, 164.8479

0.0000

224.5949,  
257.6574, 204.8335

■ 25.1847, 31.6199,  
17.6078

■ 25.1847, 31.6199,  
17.6078

■ 23.3311, 30.7499,  
13.7013

■ 27.2743, 32.5955,  
22.3389

■ 21.7007, 29.9770,  
10.5702

■ 29.6072, 33.6767,  
27.9362

■ 20.2826, 29.2977,  
8.1629


■ 32.1934, 34.8687,  
34.4408

■ 19.0642, 28.7069,  
6.4211


■ 35.0415, 36.1750,  
41.8905


■ 18.0309, 28.1985,  
5.2771


■ 38.1597, 37.5991,  
50.3211


 17.1634, 27.7645,  
4.6382

 41.5557, 39.1443,  
59.7665

 16.8483, 27.6061,  
4.4405

 45.2370, 40.8136,  
70.2590

 49.2107, 42.6102,  
81.8294

 53.4837, 44.5368,  
94.5073

# Harmonies

## Analogous

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



29.2062, 31.6199, 14.8181



25.1847, 31.6199, 17.6078



22.6768, 31.6199, 24.9362

# Triad

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



25.1847, 31.6199, 17.6078



26.5251, 31.6199, 63.1378



39.7830, 31.6199, 32.0359

# Complementary

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



25.1847, 31.6199, 17.6078



20.3378, 16.9417, 35.9181

# 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.



38.8787, 31.6199, 46.0680



25.1847, 31.6199, 17.6078



30.9176, 31.6199, 66.4370

# Square

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



25.1847, 31.6199, 17.6078



23.3934, 31.6199, 51.4165



35.5131, 31.6199, 59.5371



37.8716, 31.6199, 21.6673



# Rectangle

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



25.1847, 31.6199, 17.6078



22.0444, 31.6199, 32.4858



35.5131, 31.6199, 59.5371



39.8003, 31.6199, 36.4475

# Sweetspot

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



25.1855, 31.6213, 17.6085



55.1955, 61.3126, 55.4350



24.8839, 24.0306, 16.1592



11.9788, 13.3885, 11.8410



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



25.1855, 31.6213, 17.6085



42.4832, 55.3982, 25.9655



21.2414, 29.5880, 17.4239



7.3416, 8.0786, 7.5525



13.5030, 22.0715, 3.5486



0.3371, 0.4913, 0.0771



# Inverse Universe

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



20.3378, 16.9417, 35.9181



32.5369, 25.2684, 63.5489



25.2151, 19.4560, 36.1464



6.9879, 7.0081, 8.8875



7.3287, 3.1846, 27.1582



0.2081, 0.0948, 0.5732



# Previews

## White Background



This preview shows how the XYZ color 25.1847, 31.6199, 17.6078 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 25.1847, 31.6199, 17.6078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

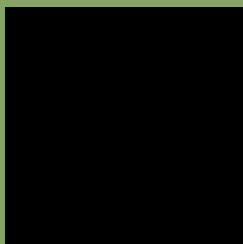
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 25.1847, 31.6199, 17.6078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.1847, 31.6199, 17.6078.



This preview shows how white text looks on a background with the XYZ color 25.1847, 31.6199,



# 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

25.1847, 31.6199, 17.6078

### Protanopia

28.9974, 31.3567, 16.3285

### Deuteranopia

31.9365, 31.4221, 18.0175



## Tritanopia

29.7758, 31.4649, 40.5804

# Trichromacy



## Original Color

25.1847, 31.6199, 17.6078

## Protanomaly

27.3480, 31.2328, 16.6437

## Deuteranomaly

28.9263, 31.0457, 17.8324

## Tritanomaly

27.8309, 31.4228, 30.5850

# Monochromacy



## Original Color

25.1847, 31.6199, 17.6078

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

26.6527, 29.9348, 25.8460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1847, 31.6199, 17.6078 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(135, 161, 103)` looks like.

```
.text, #text, p{  
    color:rgb(135, 161, 103)  
}
```

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(135, 161, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 161, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1847, 31.6199, 17.6078 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(135, 161, 103) }
```



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

```
.border{ border-color:rgb(135, 161, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 161, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 161, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 161, 103);  
box-shadow:4px 4px 4px 4px rgb(135, 161,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.1847, 31.6199, 17.6078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 161, 103) }
```

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

```
.background{ background-color: rgb(135,  
161, 103) }
```

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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