

# Converting Colors

XYZ(23.4926, 26.9999, 19.3613)

Have a look what the booklet for  
XYZ(23.4926, 26.9999, 19.3613)  
contains.

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# Color

**XYZ(23.5200, 27.0460,  
19.3100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	899270
RGB	137, 146, 112
RGB Percent	54%, 57%, 44%
CMY	0.4627, 0.4274, 0.5608
CMYK	0.06, 0.00, 0.23, 0.43
HSL	76°, 13%, 51%
HSV	76°, 23%, 57%
XYZ	23.5200, 27.0460, 19.3100
YIQ	139.4330, 5.5500, -12.4820

# Conversions

## Conversions Part 2

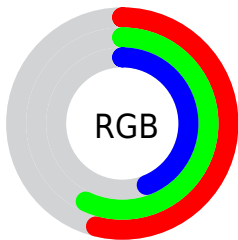
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 146, 121
Decimal	9015920
CIE <sub>Lab</sub>	59.02, -9.44, 16.97
CIE <sub>LCh</sub>	59, 19.421, 119.083
Yxy	27.0460, 0.3366, 0.3871
Android (android.graphics.Color)	4287206000 (0xFF899270)
YUV	139.4330, -13.5245, -2.1337
Hunter-Lab	52.0058, -10.2821, 14.3894

# Details

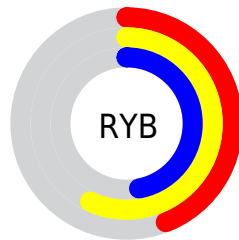
The XYZ color **23.5200, 27.0460, 19.3100** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.8688, 17.7294, 29.6233**, and the grayscale version is **24.7573, 26.0466, 28.3647**.

A 20% lighter version of the original color is **48.8410, 55.0653, 43.1764**, and **9.0388, 10.7621, 6.4514** is the 20% darker color. If you saturate the color by 10%, you get **22.1499, 26.4270, 15.3410**, and if you desaturate by 10%, it is **25.0461, 27.7319, 23.9756**.

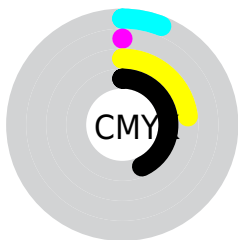
# Distribution



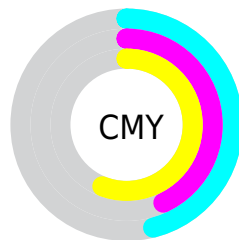
- Red (54%)
- Green (57%)
- Blue (44%)



- Red (44%)
- Yellow (57%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (23%)
- Black (43%)



- Cyan (46%)
- Magenta (43%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5200, 27.0460, 19.3100 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 23.5200, 27.0460, 19.3100 by changing the saturation by 10% instead.



■ 23.5200, 27.0460,  
19.3100

■ 23.5200, 27.0460,  
19.3100

262.8704,  
287.8798, 260.6343

■ 15.1007, 17.6078,  
11.7154

■ 48.7062, 54.9577,  
43.1009

■ 8.9769, 10.6688,  
6.4300

■ 66.2038, 74.1999,  
60.1343

■ 4.7831, 5.8446,  
3.0353

■ 87.4582, 97.4789,  
81.1511

■ 2.1540, 2.7508,  
1.1127

■ 112.8349,  
125.1792, 106.5698

■ 0.7183, 1.0031,  
0.0000

142.6991,  
157.6850, 136.8089

■ 0.0000, 0.0000,  
0.0000

177.4161,

195.3807, 172.2870

217.3515,  
238.6509, 213.4227

■ 23.5200, 27.0460,  
19.3100

■ 23.5200, 27.0460,  
19.3100

■ 22.1499, 26.4270,  
15.3410

■ 25.0461, 27.7319,  
23.9756

■ 20.9271, 25.8685,  
12.0335

■ 26.7322, 28.4835,  
29.3671

■ 19.8452, 25.3690,  
9.3517

■ 28.5848, 29.3044,  
35.5146

■ 18.8964, 24.9253,  
7.2561

■ 30.6094, 30.1968,  
42.4456

■ 18.0720, 24.5339,  
5.7024

■ 32.8112, 31.1628,  
50.1864

■ 17.3624, 24.1908,  
4.6403

■ 35.1951, 32.2045,  
58.7621

■ 16.7557, 23.8914,  
4.0098

■ 37.7660, 33.3236,  
68.1966

■ 16.3841, 23.7060,  
3.7122

■ 40.5284, 34.5222,  
78.5130

■ 43.4867, 35.8020,  
89.7333

# Harmonies

## Analogous

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



25.7806, 27.0460, 18.0761



23.5200, 27.0460, 19.3100



21.9338, 27.0460, 23.1448

# Triad

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



23.5200, 27.0460, 19.3100



23.3991, 27.0460, 42.3585



30.6216, 27.0460, 29.6614

# Complementary

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



23.5200, 27.0460, 19.3100



18.8688, 17.7294, 29.6233

# 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.



29.8886, 27.0460, 36.8039



23.5200, 27.0460, 19.3100



25.6323, 27.0460, 44.8038

# Square

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



23.5200, 27.0460, 19.3100



21.8671, 27.0460, 36.3787



28.0243, 27.0460, 42.6297



29.9707, 27.0460, 23.4595



# Rectangle

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



23.5200, 27.0460, 19.3100



21.4212, 27.0460, 27.0068



28.0243, 27.0460, 42.6297



30.5281, 27.0460, 32.0331

# Sweetspot

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



23.5207, 27.0472, 19.3106



45.9757, 49.7202, 47.9845



21.5564, 20.8352, 18.2151



10.1949, 11.0461, 10.5693



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



23.5207, 27.0472, 19.3106



40.1814, 47.1203, 30.2193



21.0197, 25.7579, 19.1935



6.1171, 6.6682, 6.2052



14.4389, 20.8714, 3.2676



0.2046, 0.2698, 0.0413



# Inverse Universe

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



18.8688, 17.7294, 29.6233



30.4888, 27.7014, 51.7135



21.3821, 19.0251, 29.7409



5.6350, 5.7028, 7.2735



5.3096, 2.2097, 24.0777



0.0897, 0.0398, 0.2959



# Previews

## White Background



This preview shows how the XYZ color 23.5200, 27.0460, 19.3100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5200, 27.0460, 19.3100 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 × Fail

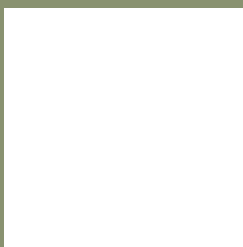
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 23.5200, 27.0460, 19.3100**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.5200, 27.0460, 19.3100.



This preview shows how white text looks on a background with the XYZ color 23.5200, 27.0460,



# 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

23.5200, 27.0460, 19.3100

### Protanopia

25.2500, 27.0511, 18.6424

### Deuteranopia

27.3585, 26.8226, 19.6549



## Tritanopia

26.5201, 27.1564, 33.5497

# Trichromacy



## Original Color

23.5200, 27.0460, 19.3100

## Protanomaly

24.5458, 26.9036, 18.9381

## Deuteranomaly

25.8763, 26.9170, 19.4545

## Tritanomaly

25.3223, 27.1138, 27.5658

# Monochromacy



## Original Color

23.5200, 27.0460, 19.3100

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

24.1167, 26.3343, 24.5808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.5200, 27.0460, 19.3100 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(137, 146, 112)` looks like.

```
.text, #text, p{  
    color:rgb(137, 146, 112)  
}
```

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(137, 146, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 146, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 23.5200, 27.0460, 19.3100 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(137, 146, 112) }
```



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

```
.border{ border-color:rgb(137, 146, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 146, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 146, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 146, 112); box-shadow:4px 4px 4px 4px rgb(137, 146, 112) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.5200, 27.0460, 19.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 146, 112) }
```

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

```
.background{ background-color: rgb(137,  
146, 112) }
```

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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