

# Converting Colors

XYZ(25.5830, 19.7668, 29.1071)

Have a look what the booklet for  
XYZ(25.5830, 19.7668, 29.1071)  
contains.

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# Color

**XYZ(25.6870, 19.8518,  
29.2660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A66791
RGB	166, 103, 145
RGB Percent	65%, 40%, 57%
CMY	0.3490, 0.5961, 0.4314
CMYK	0.00, 0.38, 0.13, 0.35
HSL	320°, 26%, 53%
HSV	320°, 38%, 65%
XYZ	25.6870, 19.8518, 29.2660
YIQ	126.6250, 24.0660, 26.4180

# Conversions

## Conversions Part 2

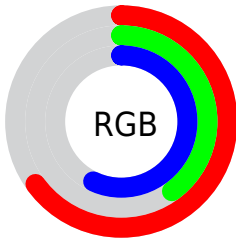
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 103, 145
Decimal	10905489
CIE <sub>Lab</sub>	51.67, 31.59, -12.40
CIE <sub>LCh</sub>	52, 33.936, 338.567
Yxy	19.8518, 0.3434, 0.2654
Android (android.graphics.Color)	4289095569 (0xFFA66791)
YUV	126.6250, 9.0589, 34.5319
Hunter-Lab	44.5554, 24.9367, -7.7556

# Details

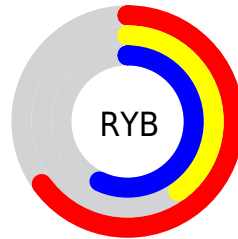
The XYZ color **25.6870, 19.8518, 29.2660** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.8687, 31.6119, 23.9666**, and the grayscale version is **20.0090, 21.0511, 22.9246**.

A 20% lighter version of the original color is **52.1543, 43.0958, 59.6023**, and **10.1948, 6.9753, 11.6355** is the 20% darker color. If you saturate the color by 10%, you get **23.7806, 16.7051, 26.5764**, and if you desaturate by 10%, it is **27.9432, 23.6642, 32.1752**.

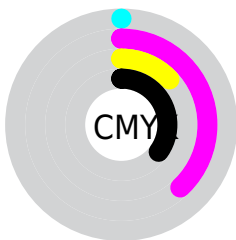
# Distribution



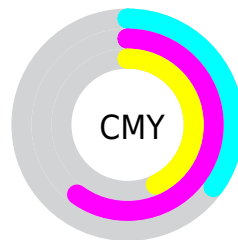
- Red (65%)
- Green (40%)
- Blue (57%)



- Red (65%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (38%)
- Yellow (13%)
- Black (35%)




- Cyan (35%)
- Magenta (60%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6870, 19.8518, 29.2660 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 25.6870, 19.8518, 29.2660 by changing the saturation by 10% instead.




 25.6870, 19.8518,  
29.2660


 25.6870, 19.8518,  
29.2660


273.5271,  
251.1117, 312.5681


 16.7211, 12.2874,  
19.0348


 52.2045, 43.1686,  
59.5467


 10.1299, 6.9397,  
11.5184


 70.4867, 59.6897,  
80.4332

 5.5481, 3.4244,  
6.2981

 92.6052, 79.9652,  
105.7087

 2.6103, 1.3571,  
2.9555

 118.9251,  
104.3794, 135.7916

 0.9512, 0.1848,  
1.0719

149.8119,  
133.3168, 171.1004

 0.0000, 0.0000,  
0.0000

185.6310,

167.1617, 212.0537

226.7476,  
206.2985, 259.0701

■ 25.6870, 19.8518,  
29.2660

■ 25.6870, 19.8518,  
29.2660

■ 23.7806, 16.7051,  
26.5764

■ 27.9432, 23.6642,  
32.1752

■ 22.2024, 14.1823,  
24.0971

■ 30.5655, 28.1756,  
35.3102

■ 20.9311, 12.2410,  
21.8198

■ 33.5715, 33.4200,  
38.6784

■ 19.9421, 10.8324,  
19.7347

■ 36.9770, 39.4287,  
42.2865

■ 19.2068, 9.8997,  
17.8307

■ 40.7967, 46.2311,  
46.1408

■ 18.6764, 9.3463,  
16.0901

■ 45.0450, 53.8549,  
50.2472

■ 18.5769, 9.2474,  
15.7479

■ 49.7351, 62.3266,  
54.6116

■ 54.8800, 71.6714,  
59.2395

■ 60.4919, 81.9136,  
64.1362

# Harmonies

## Analogous

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



23.2795, 19.8518, 39.9710



25.6870, 19.8518, 29.2660



26.1590, 19.8518, 18.9254

# Triad

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



25.6870, 19.8518, 29.2660



17.9043, 19.8518, 7.8142



14.1734, 19.8518, 35.6355

# Complementary

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



25.6870, 19.8518, 29.2660



22.8687, 31.6119, 23.9666

# 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.



13.0766, 19.8518, 24.5486



25.6870, 19.8518, 29.2660



15.0533, 19.8518, 9.9674

# Square

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



25.6870, 19.8518, 29.2660



21.3789, 19.8518, 8.3826



13.3780, 19.8518, 15.4296



16.5628, 19.8518, 44.3555



# Rectangle

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



25.6870, 19.8518, 29.2660



25.2639, 19.8518, 13.7921



13.3780, 19.8518, 15.4296



13.6553, 19.8518, 31.9474

# Sweetspot

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



25.6876, 19.8527, 29.2664



59.0747, 57.4061, 68.1601



20.0463, 16.7398, 38.2514



13.0594, 12.5663, 15.0744



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.6876, 19.8527, 29.2664



43.5083, 30.8868, 48.7488



23.5858, 19.0120, 18.1984



7.7340, 7.6235, 8.9164



14.4276, 7.1797, 12.3290



0.3733, 0.1836, 0.4171



# Inverse Universe

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



25.6876, 19.8527, 29.2664



43.5083, 30.8868, 48.7488



25.1890, 32.5400, 36.1848



7.7340, 7.6235, 8.9164



14.4276, 7.1797, 12.3290

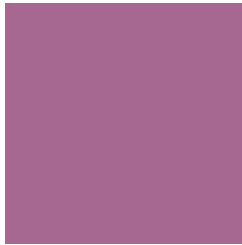


0.3733, 0.1836, 0.4171



# Previews

## White Background



This preview shows how the XYZ color 25.6870, 19.8518, 29.2660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

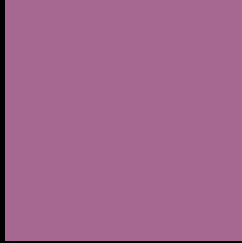
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6870, 19.8518, 29.2660 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 25.6870, 19.8518, 29.2660**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6870, 19.8518, 29.2660.



This preview shows how white text looks on a background with the XYZ color 25.6870, 19.8518,



# 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

25.6870, 19.8518, 29.2660

### Protanopia

20.0705, 19.9651, 35.1436

### Deuteranopia

20.3514, 19.8980, 28.3592



## Tritanopia

23.6777, 19.7960, 19.4027

# Trichromacy



## Original Color

25.6870, 19.8518, 29.2660

## Protanomaly

21.5534, 19.5479, 32.7741

## Deuteranomaly

21.9597, 19.6805, 28.6279

## Tritanomaly

24.2946, 19.7329, 22.6070

# Monochromacy



## Original Color

25.6870, 19.8518, 29.2660

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

21.7660, 20.3408, 25.3332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6870, 19.8518, 29.2660 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(166, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 145)  
}
```

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(166, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6870, 19.8518, 29.2660 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(166, 103, 145) }
```



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

```
.border{ border-color:rgb(166, 103, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 103, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 103, 145);  
box-shadow:4px 4px 4px 4px rgb(166, 103,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6870, 19.8518, 29.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 145) }
```

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

```
.background{ background-color: rgb(166,  
103, 145) }
```

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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