

# Converting Colors

XYZ(25.1843, 20.2416, 26.4156)

Have a look what the booklet for  
XYZ(25.1843, 20.2416, 26.4156)  
contains.

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# Color

**XYZ(25.0829, 20.2140,  
26.2466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A46B89
RGB	164, 107, 137
RGB Percent	64%, 42%, 54%
CMY	0.3569, 0.5804, 0.4627
CMYK	0.00, 0.35, 0.16, 0.36
HSL	328°, 24%, 53%
HSV	328°, 35%, 64%
XYZ	25.0829, 20.2140, 26.2466
YIQ	127.4630, 24.3420, 21.4140

# Conversions

## Conversions Part 2

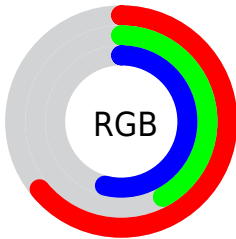
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 107, 137
Decimal	10775433
CIELab	52.08, 27.27, -7.09
CIELCh	52, 28.180, 345.418
Yxy	20.2140, 0.3506, 0.2825
Android (android.graphics.Color)	4288965513 (0xFFA46B89)
YUV	127.4630, 4.7017, 32.0429
Hunter-Lab	44.9600, 20.9041, -3.1401

# Details

The XYZ color **25.0829, 20.2140, 26.2466** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.6428, 31.3985, 27.3701**, and the grayscale version is **20.3110, 21.3688, 23.2706**.

A 20% lighter version of the original color is **51.2076, 43.7296, 54.4569**, and **9.7889, 7.0937, 9.8701** is the 20% darker color. If you saturate the color by 10%, you get **22.9952, 16.8983, 22.8995**, and if you desaturate by 10%, it is **27.5362, 24.1962, 29.9140**.

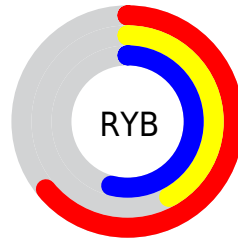
# Distribution



Red (64%)

Green (42%)

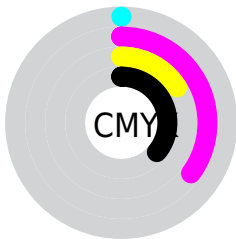
Blue (54%)



Red (64%)

Yellow (42%)

Blue (54%)

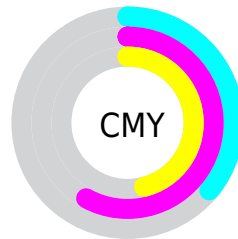


Cyan (0%)

Magenta (35%)

Yellow (16%)

Black (36%)



Cyan (36%)

Magenta (58%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0829, 20.2140, 26.2466 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 25.0829, 20.2140, 26.2466 by changing the saturation by 10% instead.





 25.0829, 20.2140,  
26.2466


 25.0829, 20.2140,  
26.2466


270.5906,  
253.0713, 297.6344


 16.2679, 12.5507,  
16.7808


 51.2336, 43.7757,  
54.6615


 9.8060, 7.1199,  
9.9180


 69.3000, 60.4428,  
74.4476

 5.3318, 3.5372,  
5.2397

 91.1809, 80.8801,  
98.5109

 2.4800, 1.4182,  
2.3274

 117.2417,  
105.4718, 127.2700

 0.8852, 0.2301,  
0.7465

147.8477,  
134.6024, 161.1434

 0.0000, 0.0000,  
0.0000

183.3643,

168.6562, 200.5495

224.1568,  
208.0177, 245.9070

■ 25.0829, 20.2140,  
26.2466

■ 25.0829, 20.2140,  
26.2466

■ 22.9952, 16.8983,  
22.8995

■ 27.5362, 24.1962,  
29.9140

■ 21.2520, 14.2093,  
19.8609

■ 30.3712, 28.8762,  
33.9104

■ 19.8330, 12.1069,  
17.1200

■ 33.6048, 34.2869,  
38.2457


■ 18.7146, 10.5456,  
14.6644


■ 37.2527, 40.4581,  
42.9288


■ 17.8697, 9.4728,  
12.4806


■ 41.3296, 47.4180,  
47.9683


 17.2654, 8.8242,  
10.5528

 45.8494, 55.1934,  
53.3724

 17.0023, 8.5695,  
9.6281

 50.8255, 63.8097,  
59.1491

 56.2705, 73.2913,  
65.3061

 62.1967, 83.6616,  
71.8508

# Harmonies

## Analogous

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



23.4310, 20.2140, 35.1170



25.0829, 20.2140, 26.2466



25.0579, 20.2140, 18.0584

# Triad

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



25.0829, 20.2140, 26.2466



17.7785, 20.2140, 9.9919



15.5836, 20.2140, 35.3410

# Complementary

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



25.0829, 20.2140, 26.2466



23.6428, 31.3985, 27.3701

# 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.



14.3556, 20.2140, 26.4989



25.0829, 20.2140, 26.2466



15.5339, 20.2140, 12.6524

# Square

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



25.0829, 20.2140, 26.2466



20.6403, 20.2140, 9.9565



14.3384, 20.2140, 18.2551



17.8527, 20.2140, 41.1918



# Rectangle

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



25.0829, 20.2140, 26.2466



24.0858, 20.2140, 14.0416



14.3384, 20.2140, 18.2551



15.0458, 20.2140, 32.5341

# Sweetspot

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



25.0835, 20.2149, 26.2470



57.7168, 56.7312, 65.0684



21.7272, 18.2323, 37.4963



12.4498, 12.1214, 13.9985



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



25.0835, 20.2149, 26.2470



42.4336, 31.7633, 42.7146



23.3232, 19.5108, 16.9775



7.2222, 7.1453, 8.1565



13.0607, 6.5803, 7.5100



0.2981, 0.1477, 0.2826



# Inverse Universe

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



25.0835, 20.2149, 26.2470



42.4336, 31.7633, 42.7146



25.8700, 32.2894, 39.0984



7.2222, 7.1453, 8.1565



13.0607, 6.5803, 7.5100

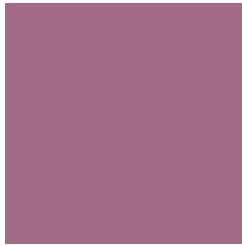


0.2981, 0.1477, 0.2826



# Previews

## White Background



This preview shows how the XYZ color 25.0829, 20.2140, 26.2466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

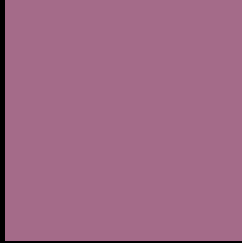
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.0829, 20.2140, 26.2466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

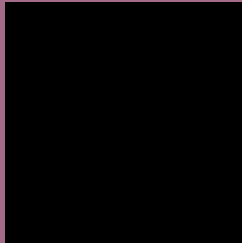
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.0829, 20.2140, 26.2466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0829, 20.2140, 26.2466.



This preview shows how white text looks on a background with the XYZ color 25.0829, 20.2140,



# 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

25.0829, 20.2140, 26.2466

### Protanopia

20.1740, 20.2971, 30.8714

### Deuteranopia

20.6562, 20.3015, 25.3841



## Tritanopia

23.8060, 20.1652, 20.0903

# Trichromacy



## Original Color

25.0829, 20.2140, 26.2466

## Protanomaly

21.5487, 19.9704, 29.1045

## Deuteranomaly

22.1202, 20.1693, 25.6489

## Tritanomaly

24.3388, 20.2302, 22.3607

# Monochromacy



## Original Color

25.0829, 20.2140, 26.2466

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

21.6284, 20.6471, 24.3181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0829, 20.2140, 26.2466 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(164, 107, 137)` looks like.

```
.text, #text, p{  
    color:rgb(164, 107, 137)  
}
```

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(164, 107, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 107, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0829, 20.2140, 26.2466 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(164, 107, 137) }
```



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

```
.border{ border-color:rgb(164, 107, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 107, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 107, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 107, 137); box-shadow:4px 4px 4px 4px rgb(164, 107, 137) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0829, 20.2140, 26.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 107, 137) }
```

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

```
.background{ background-color: rgb(164,  
107, 137) }
```

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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