

# Converting Colors

XYZ(25.0243, 20.6791, 30.2162)

Have a look what the booklet for  
XYZ(25.0243, 20.6791, 30.2162)  
contains.

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# Color

**XYZ(25.0515, 20.7446,  
30.2875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9E6F93
RGB	158, 111, 147
RGB Percent	62%, 44%, 58%
CMY	0.3804, 0.5647, 0.4235
CMYK	0.00, 0.30, 0.07, 0.38
HSL	314°, 20%, 53%
HSV	314°, 30%, 62%
XYZ	25.0515, 20.7446, 30.2875
YIQ	129.1570, 16.4560, 21.1600

# Conversions

## Conversions Part 2

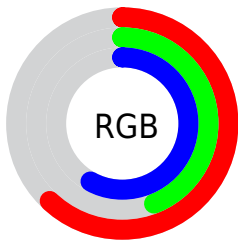
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 111, 147
Decimal	10383251
CIE <sub>Lab</sub>	52.67, 24.59, -12.16
CIE <sub>LCh</sub>	53, 27.436, 333.686
Yxy	20.7446, 0.3293, 0.2727
Android (android.graphics.Color)	4288573331 (0xFF9E6F93)
YUV	129.1570, 8.7966, 25.2953
Hunter-Lab	45.5462, 18.4733, -7.5445

# Details

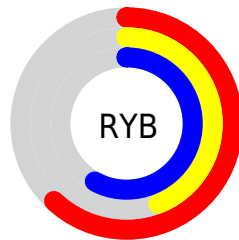
The XYZ color **25.0515, 20.7446, 30.2875** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.2962, 29.2391, 22.8823**, and the grayscale version is **20.8879, 21.9757, 23.9315**.

A 20% lighter version of the original color is **51.0804, 44.5576, 61.1666**, and **9.7778, 7.3539, 11.9704** is the 20% darker color. If you saturate the color by 10%, you get **23.1922, 17.4827, 28.2590**, and if you desaturate by 10%, it is **27.2263, 24.6219, 32.4676**.

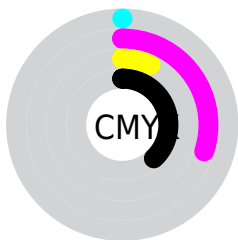
# Distribution



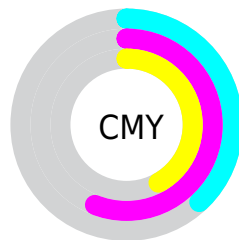
- Red (62%)
- Green (44%)
- Blue (58%)



- Red (62%)
- Yellow (44%)
- Blue (58%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (38%)



- Cyan (38%)
- Magenta (56%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0515, 20.7446, 30.2875 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 25.0515, 20.7446, 30.2875 by changing the saturation by 10% instead.



■ 25.0515, 20.7446,  
30.2875

■ 25.0515, 20.7446,  
30.2875

270.4372,  
255.9181, 317.4912

■ 16.2444, 12.9374,  
19.8030

■ 51.1830, 44.6621,  
61.1829

■ 9.7892, 7.3855,  
12.0693

■ 69.2382, 61.5412,  
82.4309

■ 5.3206, 3.7043,  
6.6678

■ 91.1067, 82.2131,  
108.1038

■ 2.4732, 1.5096,  
3.1799

■ 117.1539,  
107.0622, 138.6202

■ 0.8818, 0.2955,  
1.1872

147.7452,  
136.4728, 174.3986

■ 0.0000, 0.0000,  
0.0000

183.2460,

170.8294, 215.8575

224.0215,  
210.5164, 263.4156

■ 25.0515, 20.7446,  
30.2875

■ 25.0515, 20.7446,  
30.2875

■ 23.1922, 17.4827,  
28.2590

■ 27.2263, 24.6219,  
32.4676

■ 21.6304, 14.8014,  
26.3751

■ 29.7298, 29.1418,  
34.8036

■ 20.3491, 12.6663,  
24.6299

■ 32.5764, 34.3329,  
37.3008

■ 19.3288, 11.0387,  
23.0163

■ 35.7796, 40.2216,  
39.9641

■ 18.5473, 9.8744,  
21.5267

■ 39.3516, 46.8326,  
42.7980

■ 17.9787, 9.1217,  
20.1519

■ 43.3043, 54.1894,  
45.8070

■ 17.5633, 8.6612,  
18.8716

■ 47.6492, 62.3148,  
48.9951

■ 17.5531, 8.6501,  
18.8396

■ 52.3969, 71.2300,  
52.3664

■ 57.5580, 80.9560,  
55.9248

# Harmonies

## Analogous

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



22.9172, 20.7446, 38.3344



25.0515, 20.7446, 30.2875



25.7103, 20.7446, 21.5927

# Triad

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



25.0515, 20.7446, 30.2875



19.3667, 20.7446, 10.2617



15.4977, 20.7446, 32.4640

# Complementary

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



25.0515, 20.7446, 30.2875



22.2962, 29.2391, 22.8823

# 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.



14.7361, 20.7446, 23.6120



25.0515, 20.7446, 30.2875



16.8297, 20.7446, 11.8789

# Square

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



25.0515, 20.7446, 30.2875



22.2488, 20.7446, 11.2332



15.1994, 20.7446, 16.3172



17.3852, 20.7446, 39.7889



# Rectangle

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



25.0515, 20.7446, 30.2875



25.1763, 20.7446, 16.8482



15.1994, 20.7446, 16.3172



15.1103, 20.7446, 29.5010

# Sweetspot

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



25.0521, 20.7455, 30.2879



54.2656, 53.4239, 63.4524



19.8783, 17.9737, 34.7698



12.0829, 11.7700, 14.1685



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.



25.0521, 20.7455, 30.2879



43.0850, 33.4358, 52.4098



23.3944, 20.0825, 21.5587



6.8377, 6.7280, 7.9965



14.0737, 6.9340, 15.1709



0.2666, 0.1300, 0.3499



# Inverse Universe

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



25.0521, 20.7455, 30.2879



43.0850, 33.4358, 52.4098



23.9301, 29.8927, 31.4865



6.8377, 6.7280, 7.9965



14.0737, 6.9340, 15.1709

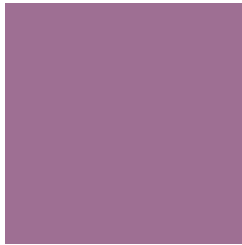


0.2666, 0.1300, 0.3499



# Previews

## White Background



This preview shows how the XYZ color 25.0515, 20.7446, 30.2875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

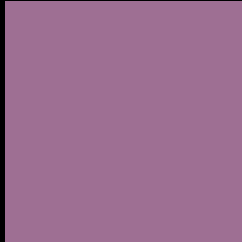
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.0515, 20.7446, 30.2875 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 25.0515, 20.7446, 30.2875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0515, 20.7446, 30.2875.



This preview shows how white text looks on a background with the XYZ color 25.0515, 20.7446,



# 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

25.0515, 20.7446, 30.2875

### Protanopia

20.9421, 20.9895, 34.4001

### Deuteranopia

21.2471, 20.8774, 29.6980



## Tritanopia

23.2864, 20.6853, 21.8341

# Trichromacy



## Original Color

25.0515, 20.7446, 30.2875

## Protanomaly

22.1391, 20.7194, 32.9694

## Deuteranomaly

22.6004, 20.8444, 30.0263

## Tritanomaly

23.8925, 20.7685, 24.5792

# Monochromacy



## Original Color

25.0515, 20.7446, 30.2875

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

22.2187, 21.2721, 26.2274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0515, 20.7446, 30.2875 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(158, 111, 147)` looks like.

```
.text, #text, p{  
    color:rgb(158, 111, 147)  
}
```

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(158, 111, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 111, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0515, 20.7446, 30.2875 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(158, 111, 147) }
```



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

```
.border{ border-color:rgb(158, 111, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 111, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 111, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 111, 147);  
box-shadow:4px 4px 4px 4px rgb(158, 111,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0515, 20.7446, 30.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 111, 147) }
```

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

```
.background{ background-color: rgb(158,  
111, 147) }
```

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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