

# Converting Colors

XYZ(25.8101, 21.0480, 33.8412)

Have a look what the booklet for  
XYZ(25.8101, 21.0480, 33.8412)  
contains.

<b>XYZ(25.7014, 21.0045, 33.7100)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.7014, 21.0045,  
33.7100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E6F9B
RGB	158, 111, 155
RGB Percent	62%, 44%, 61%
CMY	0.3804, 0.5647, 0.3922
CMYK	0.00, 0.30, 0.02, 0.38
HSL	304°, 20%, 53%
HSV	304°, 30%, 62%
XYZ	25.7014, 21.0045, 33.7100
YIQ	130.0690, 13.8880, 23.6480

# Conversions

## Conversions Part 2

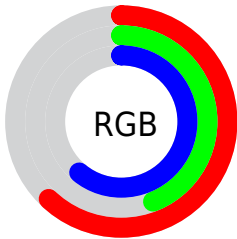
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 111, 155
Decimal	10383259
CIE <sub>Lab</sub>	52.95, 26.11, -16.41
CIE <sub>LCh</sub>	53, 30.840, 327.847
Y <sub>xy</sub>	21.0045, 0.3196, 0.2612
Android (android.graphics.Color)	4288573339 (0xFF9E6F9B)
YUV	130.0690, 12.2910, 24.4955
Hunter-Lab	45.8307, 19.8974, -11.5283

# Details

The XYZ color **25.7014, 21.0045, 33.7100** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8205, 29.0489, 20.3777**, and the grayscale version is **21.1975, 22.3014, 24.2862**.

A 20% lighter version of the original color is **52.1706, 44.9937, 66.9077**, and **10.1652, 7.5089, 14.0103** is the 20% darker color. If you saturate the color by 10%, you get **24.0434, 17.8231, 32.7413**, and if you desaturate by 10%, it is **27.6664, 24.7979, 34.7850**.

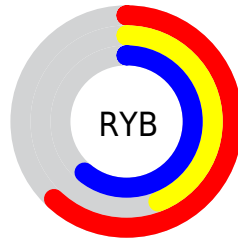
# Distribution



Red (62%)

Green (44%)

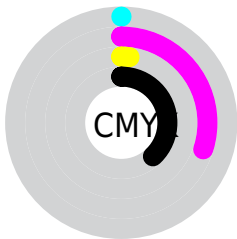
Blue (61%)



Red (62%)

Yellow (44%)

Blue (61%)

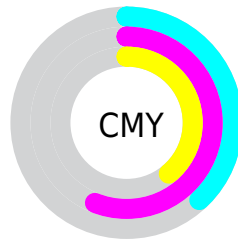


Cyan (0%)

Magenta (30%)

Yellow (2%)

Black (38%)



Cyan (38%)

Magenta (56%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7014, 21.0045, 33.7100 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 25.7014, 21.0045, 33.7100 by changing the saturation by 10% instead.





 25.7014, 21.0045,  
33.7100


 25.7014, 21.0045,  
33.7100


273.5968,  
257.3024, 333.5666


 16.7319, 13.1273,  
22.3953


 52.2276, 45.0950,  
66.6112


 10.1376, 7.5163,  
13.9466

 70.5150, 62.0771,  
89.0348

 5.5533, 3.7870,  
7.9452


 92.6390, 82.8630,  
115.9984

 2.6135, 1.5551,  
3.9726

 118.9651,  
107.8370, 147.9207

 0.9528, 0.3271,  
1.6103

149.8586,  
137.3835, 185.2201

 0.0000, 0.0000,  
0.2982

185.6848,

 0.0000, 0.0000,

171.8870, 228.3152

0.0000

226.8091,  
211.7319, 277.6245

■ 25.7014, 21.0045,  
33.7100

■ 25.7014, 21.0045,  
33.7100

■ 24.0434, 17.8231,  
32.7413

■ 27.6664, 24.7979,  
34.7850

■ 22.6743, 15.2189,  
31.8722

■ 29.9512, 29.2303,  
35.9698

■ 21.5773, 13.1576,  
31.0972

■ 32.5705, 34.3305,  
37.2697

■ 20.7328, 11.6003,  
30.4099

■ 35.5374, 40.1246,  
38.6889

■ 20.1189, 10.5030,  
29.8029

■ 38.8642, 46.6375,  
40.2317

■ 19.7098, 9.8141,  
29.2676

■ 42.5627, 53.8927,  
41.9019

■ 19.4457, 9.4142,  
28.7840

■ 46.6442, 61.9126,  
43.7032

■ 19.4393, 9.4046,  
28.7719

■ 51.1194, 70.7189,  
45.6394

■ 55.9987, 80.3322,  
47.7138

# Harmonies

## Analogous

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



23.0101, 21.0045, 42.4931



25.7014, 21.0045, 33.7100



26.8406, 21.0045, 23.5455

# Triad

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



25.7014, 21.0045, 33.7100



20.1985, 21.0045, 9.2968



14.9579, 21.0045, 32.2322

# Complementary

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



25.7014, 21.0045, 33.7100



21.8205, 29.0489, 20.3777

# 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.



14.3756, 21.0045, 22.2082



25.7014, 21.0045, 33.7100



17.1996, 21.0045, 10.4668

# Square

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



25.7014, 21.0045, 33.7100



23.4574, 21.0045, 10.8689



15.1513, 21.0045, 14.6459



16.8361, 21.0045, 41.4905



# Rectangle

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



25.7014, 21.0045, 33.7100



26.4832, 21.0045, 17.8377



15.1513, 21.0045, 14.6459



14.6136, 21.0045, 28.7703

# Sweetspot

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



25.7021, 21.0054, 33.7104



54.6447, 53.5756, 65.4487



18.7121, 17.3725, 34.7153



12.1810, 11.8092, 14.6851



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.



25.7021, 21.0054, 33.7104



44.5212, 34.0102, 59.9728



23.9609, 20.3090, 24.5417



6.8859, 6.7473, 8.2501



15.5741, 7.5342, 23.0719



0.2834, 0.1367, 0.4385



# Inverse Universe

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



25.7021, 21.0054, 33.7104



44.5212, 34.0102, 59.9728



23.2878, 29.6358, 28.1042



6.8859, 6.7473, 8.2501



15.5741, 7.5342, 23.0719

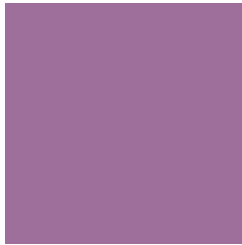


0.2834, 0.1367, 0.4385



# Previews

## White Background



This preview shows how the XYZ color 25.7014, 21.0045, 33.7100 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 25.7014, 21.0045, 33.7100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

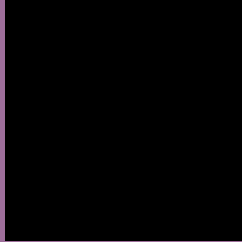
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.7014, 21.0045, 33.7100**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7014, 21.0045, 33.7100.



This preview shows how white text looks on a background with the XYZ color 25.7014, 21.0045,



# 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

25.7014, 21.0045, 33.7100

### Protanopia

21.3276, 21.0968, 38.5453

### Deuteranopia

21.5616, 21.1508, 33.0831



## Tritanopia

23.4536, 21.0990, 22.5750

# Trichromacy



## Original Color

25.7014, 21.0045, 33.7100

## Protanomaly

22.5096, 20.8314, 36.5527

## Deuteranomaly

22.9108, 20.9300, 33.4042

## Tritanomaly

24.1637, 21.0362, 26.4537

# Monochromacy



## Original Color

25.7014, 21.0045, 33.7100

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

22.5584, 21.6054, 27.4074

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7014, 21.0045, 33.7100 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(158, 111, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 111, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7014, 21.0045, 33.7100 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, 155) }
```



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

```
.border{ border-color:rgb(158, 111, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 111, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 111, 155);  
box-shadow:4px 4px 4px 4px rgb(158, 111,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7014, 21.0045, 33.7100 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, 155) }
```

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

```
.background{ background-color: rgb(158,  
111, 155) }
```

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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