

# Converting Colors

XYZ(25.5259, 27.8451, 23.3326)

Have a look what the booklet for  
XYZ(25.5259, 27.8451, 23.3326)  
contains.

<b>XYZ(25.5041, 27.7512, 23.4143)</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(25.5041, 27.7512,  
23.4143)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91917D
RGB	145, 145, 125
RGB Percent	57%, 57%, 49%
CMY	0.4314, 0.4314, 0.5098
CMYK	0.00, 0.00, 0.14, 0.43
HSL	60°, 8%, 53%
HSV	60°, 14%, 57%
XYZ	25.5041, 27.7512, 23.4143
YIQ	142.7200, 6.4200, -6.2200

# Conversions

## Conversions Part 2

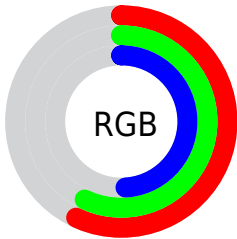
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 145, 125
Decimal	9539965
CIE Lab	59.66, -3.64, 10.63
CIE LCh	60, 11.237, 108.884
Yxy	27.7512, 0.3326, 0.3620
Android (android.graphics.Color)	4287730045 (0xFF91917D)
YUV	142.7200, -8.7360, 1.9996
Hunter-Lab	52.6794, -5.7703, 10.5231

# Details

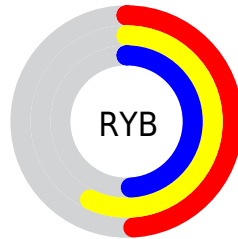
The XYZ color **25.5041, 27.7512, 23.4143** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.9030, 21.0722, 29.7552**, and the grayscale version is **26.0293, 27.3849, 29.8221**.

A 20% lighter version of the original color is **52.0125, 56.2033, 50.2265**, and **10.0128, 11.0859, 8.4495** is the 20% darker color. If you saturate the color by 10%, you get **24.6445, 27.4082, 18.8866**, and if you desaturate by 10%, it is **26.5005, 28.1507, 28.6555**.

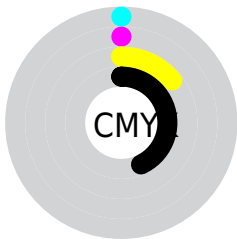
# Distribution



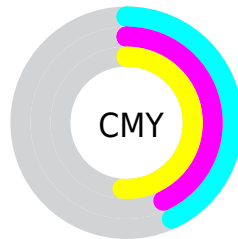
- Red (57%)
- Green (57%)
- Blue (49%)



- Red (49%)
- Yellow (57%)
- Blue (49%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (43%)



- Cyan (43%)
- Magenta (43%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5041, 27.7512, 23.4143 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 25.5041, 27.7512, 23.4143 by changing the saturation by 10% instead.



■ 25.5041, 27.7512,  
23.4143

■ 25.5041, 27.7512,  
23.4143

272.6407,  
291.2761, 283.0364

■ 16.5838, 18.1382,  
14.6916

■ 51.9109, 56.0870,  
50.0045

■ 10.0316, 11.0492,  
8.4590

■ 70.1280, 75.5785,  
68.7090

■ 5.4824, 6.1000,  
4.2981

■ 92.1748, 99.1317,  
91.5779

■ 2.5706, 2.9060,  
1.7902

118.4166,  
127.1310, 119.0297

■ 0.9310, 1.0828,  
0.4215

149.2187,  
159.9606, 151.4829

■ 0.0000, 0.0000,  
0.0000

184.9465,

198.0051, 189.3560

225.9654,  
241.6488, 233.0677

■ 25.5041, 27.7512,  
23.4143

■ 25.5041, 27.7512,  
23.4143

■ 24.6445, 27.4082,  
18.8866

■ 26.5005, 28.1507,  
28.6555

■ 23.9136, 27.1158,  
15.0399

■ 27.6368, 28.6053,  
34.6374

■ 23.3059, 26.8727,  
11.8418

■ 28.9191, 29.1183,  
41.3877

■ 22.8145, 26.6761,  
9.2567

■ 30.3523, 29.6916,  
48.9325

■ 22.4322, 26.5231,  
7.2452

■ 31.9410, 30.3271,  
57.2962

■ 22.1504, 26.4104,  
5.7639

■ 33.6897, 31.0267,  
66.5026

■ 21.9599, 26.3341,  
4.7626

■ 35.6027, 31.7919,  
76.5744

■ 21.8491, 26.2897,  
4.1812

■ 37.6842, 32.6246,  
87.5333

■ 21.7995, 26.2699,  
3.9216

■ 39.8569, 33.4937,  
98.9720

# Harmonies

## Analogous

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



26.9058, 27.7512, 23.1841



25.5041, 27.7512, 23.4143



24.3756, 27.7512, 25.3672

# Triad

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



25.5041, 27.7512, 23.4143



24.6242, 27.7512, 36.4887



29.1433, 27.7512, 31.7468

# Complementary

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



25.5041, 27.7512, 23.4143



20.9030, 21.0722, 29.7552

# 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.



28.4844, 27.7512, 35.6471



25.5041, 27.7512, 23.4143



25.8545, 27.7512, 38.5437

# Square

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



25.5041, 27.7512, 23.4143



23.8803, 27.7512, 32.8145



27.2689, 27.7512, 38.2226



29.0413, 27.7512, 27.7590



# Rectangle

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



25.5041, 27.7512, 23.4143



23.9143, 27.7512, 27.4898



27.2689, 27.7512, 38.2226



29.0026, 27.7512, 33.1174

# Sweetspot

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



25.5048, 27.7524, 23.4149



47.4008, 50.3890, 51.0256



22.7132, 22.1683, 22.4842



10.5157, 11.1979, 11.1982



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.



25.5048, 27.7524, 23.4149



45.0972, 49.4675, 38.9002



23.8198, 26.8837, 23.3360



5.8395, 6.2854, 5.7948



18.6972, 22.5313, 3.3635



0.1788, 0.2154, 0.0322



# Inverse Universe

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



20.9030, 21.0722, 29.7552



34.9775, 34.7776, 52.8428



22.4369, 21.8630, 29.8270



5.1297, 5.2550, 6.7727



4.3840, 1.7536, 23.0845



0.0419, 0.0168, 0.2207



# Previews

## White Background



This preview shows how the XYZ color 25.5041, 27.7512, 23.4143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

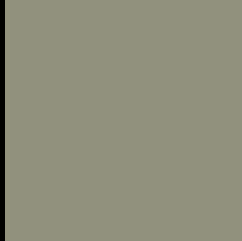
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.5041, 27.7512, 23.4143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

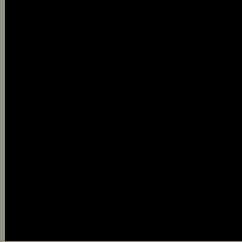
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.5041, 27.7512, 23.4143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5041, 27.7512, 23.4143.



This preview shows how white text looks on a background with the XYZ color 25.5041, 27.7512,



# 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

25.5041, 27.7512, 23.4143

### Protanopia

26.2230, 27.6795, 23.0294

### Deuteranopia

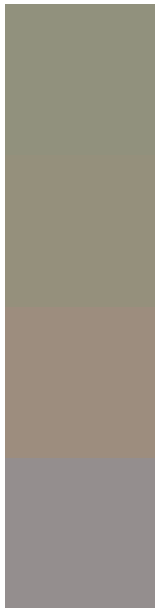
28.1642, 27.5758, 23.5769



## Tritanopia

27.5868, 27.7063, 33.5996

# Trichromacy



## Original Color

25.5041, 27.7512, 23.4143

## Protanomaly

26.0058, 27.7913, 23.0624

## Deuteranomaly

27.1954, 27.7242, 23.6566

## Tritanomaly

26.7682, 27.5949, 29.5067

# Monochromacy



## Original Color

25.5041, 27.7512, 23.4143

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

25.9188, 27.6534, 27.2641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5041, 27.7512, 23.4143 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(145, 145, 125)` looks like.

```
.text, #text, p{  
    color:rgb(145, 145, 125)  
}
```

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(145, 145, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 145, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5041, 27.7512, 23.4143 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(145, 145, 125) }
```



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

```
.border{ border-color:rgb(145, 145, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 145, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 145, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 145, 125);  
box-shadow:4px 4px 4px 4px rgb(145, 145,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5041, 27.7512, 23.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 145, 125) }
```

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

```
.background{ background-color: rgb(145,  
145, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor