

# Converting Colors

XYZ(27.3506, 23.4938, 10.5235)

Have a look what the booklet for  
XYZ(27.3506, 23.4938, 10.5235)  
contains.

<b>XYZ(27.4182, 23.5887, 10.5051)</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(27.4182, 23.5887,  
10.5051)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7764F
RGB	183, 118, 79
RGB Percent	72%, 46%, 31%
CMY	0.2824, 0.5372, 0.6902
CMYK	0.00, 0.36, 0.57, 0.28
HSL	23°, 42%, 51%
HSV	23°, 57%, 72%
XYZ	27.4182, 23.5887, 10.5051
YIQ	132.9890, 51.2590, 1.6510

# Conversions

## Conversions Part 2

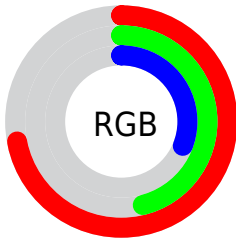
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 141, 79
Decimal	12023375
CIE <sub>Lab</sub>	55.67, 21.43, 31.85
CIE <sub>LCh</sub>	56, 38.387, 56.057
Yxy	23.5887, 0.4457, 0.3835
Android (android.graphics.Color)	4290213455 (0xFFB7764F)
YUV	132.9890, -26.6166, 43.8596
Hunter-Lab	48.5682, 15.7742, 21.1736

# Details

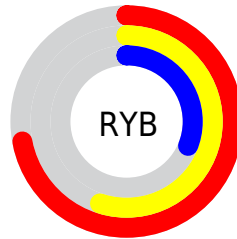
The XYZ color **27.4182, 23.5887, 10.5051** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.7444, 25.0264, 48.4842**, and the grayscale version is **22.3717, 23.5368, 25.6315**.

A 20% lighter version of the original color is **55.1433, 49.5880, 27.4340**, and **11.0068, 8.8017, 2.5576** is the 20% darker color. If you saturate the color by 10%, you get **25.5755, 20.8266, 7.0448**, and if you desaturate by 10%, it is **29.6087, 26.7531, 14.9864**.

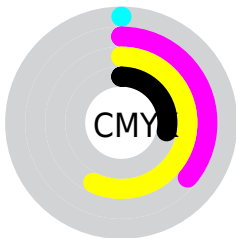
# Distribution



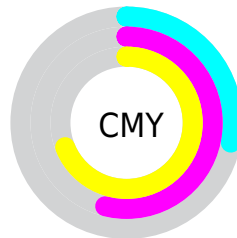
- Red (72%)
- Green (46%)
- Blue (31%)



- Red (72%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (36%)
- Yellow (57%)
- Black (28%)




- Cyan (28%)
- Magenta (54%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4182, 23.5887, 10.5051 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 27.4182, 23.5887, 10.5051 by changing the saturation by 10% instead.





 27.4182, 23.5887,  
10.5051


 27.4182, 23.5887,  
10.5051

281.8071,  
270.7344, 204.8541


 18.0258, 15.0288,  
5.6252

 54.9694, 49.3582,  
27.3638


 11.0683, 8.8396,  
2.5534


 73.8588, 67.3365,  
40.1797


 6.1804, 4.6367,  
0.8683


 96.6447, 89.2232,  
56.4780

 2.9968, 2.0357,  
0.0000

 123.6923,  
115.4025, 76.6772

 1.1521, 0.6281,  
0.0000

 155.3669,  
146.2589, 101.1958

 0.0680, 0.0000,  
0.0000

192.0341,

 0.0000, 0.0000,

182.1768, 130.4525

0.0000

234.0590,  
223.5405, 164.8657

■ 27.4182, 23.5887,  
10.5051

■ 27.4182, 23.5887,  
10.5051

■ 25.5755, 20.8266,  
7.0448

■ 29.6087, 26.7531,  
14.9864

■ 24.0576, 18.4455,  
4.5207

■ 32.1646, 30.3329,  
20.5612

■ 22.8410, 16.4271,  
2.8366

■ 35.1041, 34.3447,  
27.2971

■ 21.8943, 14.7482,  
1.8593

■ 38.4435, 38.8031,  
35.2558

■ 21.6340, 14.2785,  
1.6158

■ 42.1983, 43.7220,  
44.4943

■ 46.3831, 49.1146,  
55.0664

■ 51.0115, 54.9937,  
67.0226

■ 56.0968, 61.3715,  
80.4106

■ 61.6516, 68.2596,  
95.2762

# Harmonies

## Analogous

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



30.7977, 23.5887, 16.5396



27.4182, 23.5887, 10.5051



23.0000, 23.5887, 8.4411

# Triad

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



27.4182, 23.5887, 10.5051



15.0735, 23.5887, 24.0730



26.2955, 23.5887, 53.7453

# Complementary

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



27.4182, 23.5887, 10.5051



21.7444, 25.0264, 48.4842

# 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.



21.8505, 23.5887, 57.7271



27.4182, 23.5887, 10.5051



15.7192, 23.5887, 37.6978

# Square

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



27.4182, 23.5887, 10.5051



16.1772, 23.5887, 14.5034



18.0700, 23.5887, 51.0971



30.0929, 23.5887, 41.5010



# Rectangle

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



27.4182, 23.5887, 10.5051



20.1873, 23.5887, 8.8657



18.0700, 23.5887, 51.0971



24.8123, 23.5887, 56.2352

# Sweetspot

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



27.4188, 23.5899, 10.5055



68.5664, 69.1183, 62.4513



27.4250, 17.6996, 28.7052



14.8691, 14.9013, 13.1299



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



27.4188, 23.5899, 10.5055



45.1319, 36.2628, 11.4378



35.1525, 39.0573, 13.0835



9.2732, 9.5493, 9.4614



15.1535, 10.0834, 1.1476



0.5945, 0.4761, 0.0606



# Inverse Universe

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



21.7444, 25.0264, 48.4842



33.9366, 38.9691, 85.9688



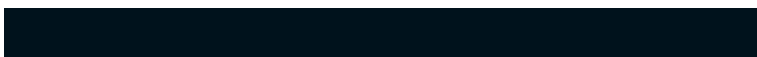
15.6745, 12.8867, 46.4609



8.9760, 9.6292, 11.4650



10.2570, 10.9737, 32.8306



0.4190, 0.5016, 1.1765



# Previews

## White Background



This preview shows how the XYZ color 27.4182, 23.5887, 10.5051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

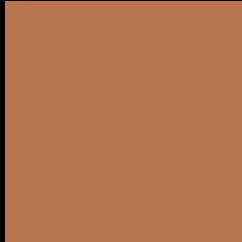
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4182, 23.5887, 10.5051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

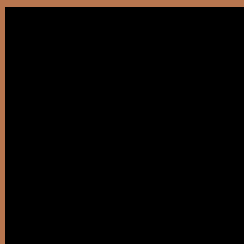
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.4182, 23.5887, 10.5051**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4182, 23.5887, 10.5051.



This preview shows how white text looks on a background with the XYZ color 27.4182, 23.5887,



# 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

27.4182, 23.5887, 10.5051

### Protanopia

22.0189, 23.8171, 12.0310

### Deuteranopia

24.1630, 23.7607, 10.3339



## Tritanopia

29.6060, 23.6298, 21.0898

# Trichromacy



**Original Color**

27.4182, 23.5887, 10.5051

**Protanomaly**

23.5786, 23.4338, 11.4641

**Deuteranomaly**

25.1604, 23.5114, 10.4198

**Tritanomaly**

28.7398, 23.6164, 16.6793

# Monochromacy



**Original Color**

27.4182, 23.5887, 10.5051

**Achromatopsia**

22.2940, 23.4551, 25.5426

**Achromatomaly**

23.4623, 23.2099, 18.8661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4182, 23.5887, 10.5051 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(183, 118, 79)` looks like.

```
.text, #text, p{  
    color:rgb(183, 118, 79)  
}
```

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(183, 118, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 118, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4182, 23.5887, 10.5051 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(183, 118, 79) }
```



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

```
.border{ border-color:rgb(183, 118, 79) }
```

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

Here you see how a box with a 4 pixel rgb(183, 118, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 118, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 118, 79);  
box-shadow:4px 4px 4px 4px rgb(183, 118,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4182, 23.5887, 10.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 118, 79) }
```

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

```
.background{ background-color: rgb(183,  
118, 79) }
```

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