

# Converting Colors

XYZ(21.8351, 18.8503, 11.3342)

Have a look what the booklet for  
XYZ(21.8351, 18.8503, 11.3342)  
contains.

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# Color

**XYZ(21.8377, 18.8687,  
11.2951)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A26B56
RGB	162, 107, 86
RGB Percent	64%, 42%, 34%
CMY	0.3647, 0.5804, 0.6627
CMYK	0.00, 0.34, 0.47, 0.36
HSL	17°, 31%, 49%
HSV	17°, 47%, 64%
XYZ	21.8377, 18.8687, 11.2951
YIQ	121.0510, 39.5210, 5.1290

# Conversions

## Conversions Part 2

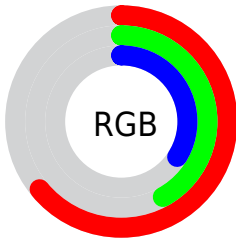
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 115, 86
Decimal	10644310
CIELab	50.53, 19.46, 20.74
CIELCh	51, 28.437, 46.826
Yxy	18.8687, 0.4199, 0.3628
Android (android.graphics.Color)	4288834390 (0xFFA26B56)
YUV	121.0510, -17.2801, 35.9123
Hunter-Lab	43.4381, 13.7208, 14.9897

# Details

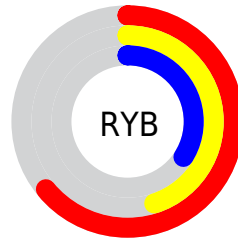
The XYZ color **21.8377, 18.8687, 11.2951** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8836, 23.6356, 37.6964**, and the grayscale version is **18.2361, 19.1858, 20.8933**.

A 20% lighter version of the original color is **46.0555, 41.6339, 28.9013**, and **8.1313, 6.4693, 2.8276** is the 20% darker color. If you saturate the color by 10%, you get **20.1171, 16.3564, 7.8582**, and if you desaturate by 10%, it is **23.8729, 21.7735, 15.5671**.

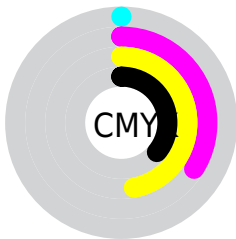
# Distribution



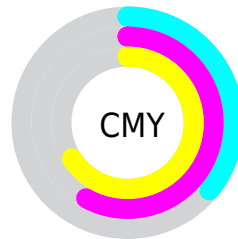
- Red (64%)
- Green (42%)
- Blue (34%)



- Red (64%)
- Yellow (45%)
- Blue (34%)



- Cyan (0%)
- Magenta (34%)
- Yellow (47%)
- Black (36%)




- Cyan (36%)
- Magenta (58%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8377, 18.8687, 11.2951 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 21.8377, 18.8687, 11.2951 by changing the saturation by 10% instead.





 21.8377, 18.8687,  
11.2951


 21.8377, 18.8687,  
11.2951


254.3459,  
245.7230, 210.4907


 13.8536, 11.5754,  
6.1490


 45.9585, 41.5121,  
28.8495

 8.1000, 6.4553,  
2.8657


 62.8259, 57.6311,  
42.0950


 4.2113, 3.1239,  
1.0265

 83.3851, 77.4607,  
58.8773

 1.8224, 1.1967,  
0.0000

 108.0015,  
101.3854, 79.6150

 0.5311, 0.0590,  
0.0000

 137.0404,  
129.7896, 104.7266

 0.0000, 0.0000,  
0.0000

170.8672,

163.0577, 134.6308

209.8472,  
201.5740, 169.7459

■ 21.8377, 18.8687,  
11.2951

■ 21.8377, 18.8687,  
11.2951

■ 20.1171, 16.3564,  
7.8582

■ 23.8729, 21.7735,  
15.5671

■ 18.6930, 14.2164,  
5.1999

■ 26.2368, 25.0842,  
20.7236

■ 17.5473, 12.4311,  
3.2580

■ 28.9441, 28.8169,  
26.8112

■ 16.6593, 10.9799,  
1.9606

■ 32.0084, 32.9861,  
33.8733

■ 16.0006, 9.8383,  
1.1993

■ 35.4423, 37.6053,  
41.9501

■ 15.8300, 9.5408,  
1.0072

■ 39.2580, 42.6879,  
51.0798

■ 43.4670, 48.2463,  
61.2985

■ 48.0803, 54.2925,  
72.6407

■ 53.1085, 60.8384,  
85.1393

# Harmonies

## Analogous

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



23.5408, 18.8687, 16.4317



21.8377, 18.8687, 11.2951



19.1777, 18.8687, 8.9698

# Triad

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



21.8377, 18.8687, 11.2951



13.2249, 18.8687, 17.2556



19.5232, 18.8687, 38.9146

# Complementary

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



21.8377, 18.8687, 11.2951



19.8836, 23.6356, 37.6964

# 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.



16.7455, 18.8687, 39.3017



21.8377, 18.8687, 11.2951



13.2969, 18.8687, 25.2926

# Square

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



21.8377, 18.8687, 11.2951



14.3180, 18.8687, 11.7636



14.5259, 18.8687, 33.8235



22.1130, 18.8687, 32.8725



# Rectangle

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



21.8377, 18.8687, 11.2951



17.3075, 18.8687, 8.8018



14.5259, 18.8687, 33.8235



18.5757, 18.8687, 39.7562

# Sweetspot

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



21.8382, 18.8696, 11.2955



53.9546, 54.2404, 51.8920



23.0906, 16.2820, 27.4121



11.8701, 11.8435, 11.0881



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.



21.8382, 18.8696, 11.2955



36.4778, 29.6294, 14.1817



26.5937, 28.3806, 12.8806



7.2257, 7.3898, 7.4256



12.5034, 7.5807, 0.8042



0.3002, 0.2342, 0.0294



# Inverse Universe

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



19.8836, 23.6356, 37.6964



32.4652, 39.2670, 67.9243



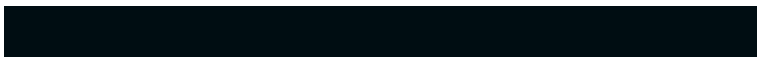
15.2830, 14.4342, 36.1629



7.1098, 7.6787, 9.0105



10.2077, 12.1949, 28.7456



0.2508, 0.3289, 0.6161



# Previews

## White Background



This preview shows how the XYZ color 21.8377, 18.8687, 11.2951 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 21.8377, 18.8687, 11.2951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

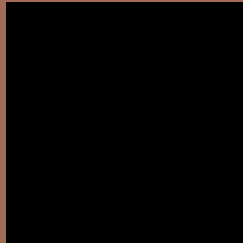
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 21.8377, 18.8687, 11.2951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.8377, 18.8687, 11.2951.



This preview shows how white text looks on a background with the XYZ color 21.8377, 18.8687,



# 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

21.8377, 18.8687, 11.2951

### Protanopia

17.7015, 18.8728, 12.8351

### Deuteranopia

19.3472, 19.0602, 11.0468



## Tritanopia

23.1294, 18.9408, 17.4758

# Trichromacy



## Original Color

21.8377, 18.8687, 11.2951

## Protanomaly

18.9607, 18.6624, 12.2757

## Deuteranomaly

20.3073, 19.0454, 11.2002

## Tritanomaly

22.5541, 18.8490, 15.0199

# Monochromacy



## Original Color

21.8377, 18.8687, 11.2951

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

19.1055, 18.8077, 16.8106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.8377, 18.8687, 11.2951 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(162, 107, 86)` looks like.

```
.text, #text, p{  
    color:rgb(162, 107, 86)  
}
```

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(162, 107, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 107, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 21.8377, 18.8687, 11.2951 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(162, 107, 86) }
```



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

```
.border{ border-color:rgb(162, 107, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 107, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 107, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 107, 86);  
box-shadow:4px 4px 4px 4px rgb(162, 107,  
86) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.8377, 18.8687, 11.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 107, 86) }
```

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

```
.background{ background-color: rgb(162,  
107, 86) }
```

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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