

# Converting Colors

XYZ(27.0492, 21.6566, 14.0640)

Have a look what the booklet for  
XYZ(27.0492, 21.6566, 14.0640)  
contains.

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# Color

**XYZ(27.0487, 21.6555,  
14.0636)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B76C61</a>
RGB	<a href="#">183, 108, 97</a>
RGB Percent	<a href="#">72%, 42%, 38%</a>
CMY	<a href="#">0.2824, 0.5764, 0.6196</a>
CMYK	<a href="#">0.00, 0.41, 0.47, 0.28</a>
HSL	<a href="#">8°, 37%, 55%</a>
HSV	<a href="#">8°, 47%, 72%</a>
XYZ	<a href="#">27.0487, 21.6555, 14.0636</a>
YIQ	<a href="#">129.1710, 48.2310, 12.4790</a>

# Conversions

## Conversions Part 2

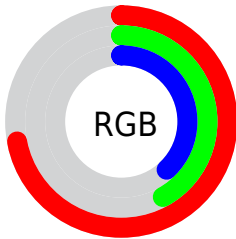
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 110, 97
Decimal	12020833
CIE Lab	53.66, 28.62, 19.00
CIE LCh	54, 34.359, 33.581
Yxy	21.6555, 0.4309, 0.3450
Android (android.graphics.Color)	4290210913 (0xFFB76C61)
YUV	129.1710, -15.8603, 47.2080
Hunter-Lab	46.5355, 22.3159, 14.6567

# Details

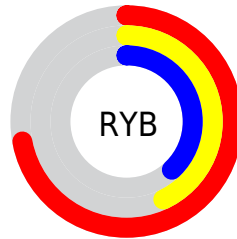
The XYZ color **27.0487, 21.6555, 14.0636** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.2288, 35.4637, 50.1570**, and the grayscale version is **20.9688, 22.0608, 24.0242**.

A 20% lighter version of the original color is **54.1917, 45.9805, 34.0359**, and **10.9139, 7.8790, 4.0775** is the 20% darker color. If you saturate the color by 10%, you get **24.7600, 18.2899, 9.5655**, and if you desaturate by 10%, it is **29.8434, 25.7182, 19.7018**.

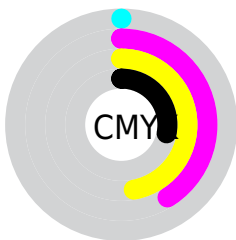
# Distribution



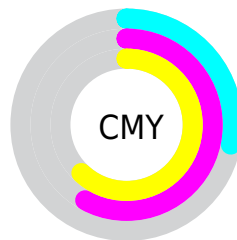
- Red (72%)
- Green (42%)
- Blue (38%)



- Red (72%)
- Yellow (43%)
- Blue (38%)



- Cyan (0%)
- Magenta (41%)
- Yellow (47%)
- Black (28%)



- Cyan (28%)
- Magenta (58%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0487, 21.6555, 14.0636 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 27.0487, 21.6555, 14.0636 by changing the saturation by 10% instead.




 27.0487, 21.6555,  
14.0636


 27.0487, 21.6555,  
14.0636


280.0561,  
260.7419, 229.0683


 17.7466, 13.6040,  
8.0257


 54.3813, 46.1760,  
33.9206


 10.8668, 7.8458,  
4.0234


 73.1426, 63.4137,  
48.5767

 6.0440, 3.9964,  
1.6382


 95.7875, 84.4823,  
66.9426

 2.9127, 1.6716,  
0.3178

 122.6816,  
109.7661, 89.4369

 1.1078, 0.4051,  
0.0000

154.1902,  
139.6496, 116.4781

 0.0316, 0.0000,  
0.0000

190.6785,

 0.0000, 0.0000,

174.5171, 148.4847

0.0000

232.5120,  
214.7531, 185.8752

■ 27.0487, 21.6555,  
14.0636

■ 27.0487, 21.6555,  
14.0636

■ 24.7600, 18.2899,  
9.5655

■ 29.8434, 25.7182,  
19.7018

■ 22.9452, 15.5789,  
6.1284

■ 33.1704, 30.5108,  
26.5495

■ 21.5708, 13.4805,  
3.6651


■ 37.0562, 36.0678,  
34.6720


■ 20.5983, 11.9466,  
2.0736


■ 41.5250, 42.4208,  
44.1294


■ 19.9789, 10.9200,  
1.2127


■ 46.5995, 49.5995,  
54.9782

 19.8431, 10.6967,  
1.0188

 52.3013, 57.6321,  
67.2715

 58.6509, 66.5453,  
81.0597

 65.6678, 76.3649,  
96.3907

 72.2729, 86.6762,  
107.5287

# Harmonies

## Analogous

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



28.4713, 21.6555, 22.3375



27.0487, 21.6555, 14.0636



23.8896, 21.6555, 9.7026

# Triad

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



27.0487, 21.6555, 14.0636



14.8811, 21.6555, 15.6727



21.0275, 21.6555, 50.0920

# Complementary

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



27.0487, 21.6555, 14.0636



28.2288, 35.4637, 50.1570

# 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.



17.5964, 21.6555, 46.7423



27.0487, 21.6555, 14.0636



14.3054, 21.6555, 24.8660

# Square

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



27.0487, 21.6555, 14.0636



16.9167, 21.6555, 10.4189



15.2395, 21.6555, 36.6371



24.7439, 21.6555, 44.7758



# Rectangle

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



27.0487, 21.6555, 14.0636



21.3830, 21.6555, 8.6445



15.2395, 21.6555, 36.6371



19.8030, 21.6555, 49.9478

# Sweetspot

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



27.0492, 21.6566, 14.0640



68.4721, 67.5956, 66.5331



31.3428, 21.6327, 42.0418



14.7594, 14.4113, 13.9277



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.



27.0492, 21.6566, 14.0640



44.3702, 32.7942, 17.1804



32.5978, 32.7538, 15.9135



9.0948, 9.1925, 9.4019



13.8718, 7.5200, 0.7204



0.5192, 0.3255, 0.0355



# Inverse Universe

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



28.2288, 35.4637, 50.1570



46.6915, 60.3557, 89.4246



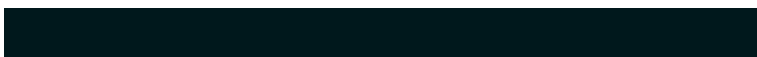
21.4554, 21.9169, 47.8992



9.1660, 10.0092, 11.5283



14.7171, 19.8939, 34.3173



0.5464, 0.7565, 1.2190



# Previews

## White Background



This preview shows how the XYZ color 27.0487, 21.6555, 14.0636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

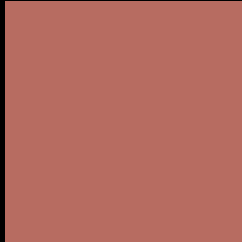
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0487, 21.6555, 14.0636 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 27.0487, 21.6555, 14.0636**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0487, 21.6555, 14.0636.



This preview shows how white text looks on a background with the XYZ color 27.0487, 21.6555,



# 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

27.0487, 21.6555, 14.0636

### Protanopia

20.4740, 21.7132, 16.7476

### Deuteranopia

22.0522, 21.6495, 13.6062



## Tritanopia

27.9018, 21.6907, 18.3389

# Trichromacy



## Original Color

27.0487, 21.6555, 14.0636

## Protanomaly

22.4224, 21.4263, 15.7859

## Deuteranomaly

23.6482, 21.5696, 13.7434

## Tritanomaly

27.6787, 21.7673, 16.6526

# Monochromacy



## Original Color

27.0487, 21.6555, 14.0636

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

22.4427, 21.3487, 19.7675

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0487, 21.6555, 14.0636 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, 108, 97)` looks like.

```
.text, #text, p{  
    color:rgb(183, 108, 97)  
}
```

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, 108, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 108, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0487, 21.6555, 14.0636 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, 108, 97) }
```



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

```
.border{ border-color:rgb(183, 108, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 108, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 108, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 108, 97);  
box-shadow:4px 4px 4px 4px rgb(183, 108,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0487, 21.6555, 14.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 108, 97) }
```

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

```
.background{ background-color: rgb(183,  
108, 97) }
```

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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