

Converting Colors

XYZ(27.9006, 21.1540, 15.1965)

Have a look what the booklet for
XYZ(27.9006, 21.1540, 15.1965)
contains.

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Color

**XYZ(27.8887, 21.1534,
15.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	BC6666
RGB	188, 102, 102
RGB Percent	74%, 40%, 40%
CMY	0.2627, 0.6000, 0.6000
CMYK	0.00, 0.46, 0.46, 0.26
HSL	0°, 39%, 57%
HSV	0°, 46%, 74%
XYZ	27.8887, 21.1534, 15.1835
YIQ	127.7140, 51.2560, 18.2320

Conversions

Conversions Part 2

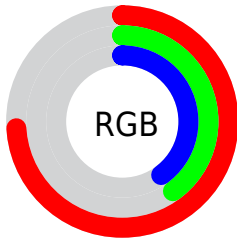
Format	Color
R_{YB}	188, 102, 102
Decimal	12346982
CIE _{Lab}	53.12, 34.33, 15.45
CIE _{LCh}	53, 37.651, 24.233
Yxy	21.1534, 0.4342, 0.3294
Android (android.graphics.Color)	4290537062 (0xFFBC6666)
YUV	127.7140, -12.6770, 52.8708
Hunter-Lab	45.9928, 27.7497, 12.6217

Details

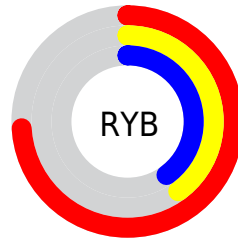
The XYZ color **27.8887, 21.1534, 15.1835** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.5389, 42.4202, 54.0499**, and the grayscale version is **20.4494, 21.5143, 23.4291**.

A 20% lighter version of the original color is **55.8289, 45.5168, 35.9801**, and **11.2777, 7.5571, 4.4787** is the 20% darker color. If you saturate the color by 10%, you get **25.4172, 17.5371, 10.2697**, and if you desaturate by 10%, it is **30.9916, 25.6942, 21.3512**.

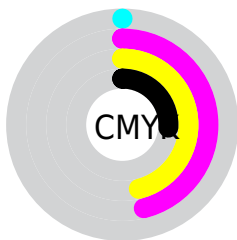
Distribution



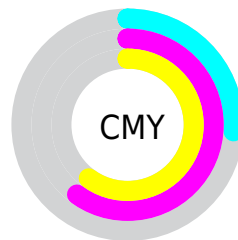
- Red (74%)
- Green (40%)
- Blue (40%)



- Red (74%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (46%)
- Yellow (46%)
- Black (26%)




- Cyan (26%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8887, 21.1534, 15.1835 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 27.8887, 21.1534, 15.1835 by changing the saturation by 10% instead.


 27.8887, 21.1534,
15.1835


 27.8887, 21.1534,
15.1835


284.0244,
258.0926, 236.1531


 18.3818, 13.2362,
8.8002


 55.7166, 45.3427,
35.9216

 11.3258, 7.5914,
4.5161


 74.7683, 62.3836,
51.1135

 6.3553, 3.8346,
1.9125


 97.7323, 83.2344,
70.0788

 3.1050, 1.5815,
0.5007

 124.9740,
108.2797, 93.2358

 1.2095, 0.3451,
0.0000

156.8587,
137.9037, 121.0032

 0.1139, 0.0000,
0.0000

193.7517,

 0.0000, 0.0000,

172.4910, 153.7996

0.0000

236.0185,
212.4258, 192.0434

■ 27.8887, 21.1534,
15.1835

■ 27.8887, 21.1534,
15.1835

■ 25.4172, 17.5371,
10.2697

■ 30.9916, 25.6942,
21.3512

■ 23.5323, 14.7790,
6.5229

■ 34.7635, 31.2135,
28.8495

■ 22.1861, 12.8090,
3.8468


■ 39.2408, 37.7650,
37.7501


■ 21.3221, 11.5447,
2.1294


■ 44.4568, 45.3976,
48.1195

■ 20.8698, 10.8828,
1.2304


■ 50.4429, 54.1570,
60.0198

 20.7391, 10.6916,
0.9706

 57.2286, 64.0862,
73.5095

 64.8416, 75.2262,
88.6442

 73.3087, 87.6158,
105.4766

 74.5490, 89.4314,
107.9406

Harmonies

Analogous

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



28.6836, 21.1534, 25.2964



27.8887, 21.1534, 15.1835



24.8984, 21.1534, 9.4716

Triad

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



27.8887, 21.1534, 15.1835



14.5330, 21.1534, 12.4837



19.3494, 21.1534, 52.2969

Complementary

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



27.8887, 21.1534, 15.1835



32.5389, 42.4202, 54.0499

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.



15.9712, 21.1534, 45.6759



27.8887, 21.1534, 15.1835



13.4350, 21.1534, 20.9078

Square

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



27.8887, 21.1534, 15.1835



17.1363, 21.1534, 8.3096



13.9248, 21.1534, 33.2055



23.3996, 21.1534, 49.2265

Rectangle

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



27.8887, 21.1534, 15.1835



22.2489, 21.1534, 7.7633



13.9248, 21.1534, 33.2055



18.1047, 21.1534, 51.0784

Sweetspot

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



27.8892, 21.1545, 15.1839



72.4628, 70.4113, 71.0898



34.5676, 23.8251, 50.3537



15.1724, 14.5410, 14.4716



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.8892, 21.1545, 15.1839



46.0036, 31.6937, 18.4904



33.2628, 31.9016, 16.9751



9.5302, 9.5365, 9.9151



14.1203, 7.2794, 0.6608



0.5531, 0.2852, 0.0259

Inverse Universe

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



32.5389, 42.4202, 54.0499



55.4910, 75.0852, 97.7944



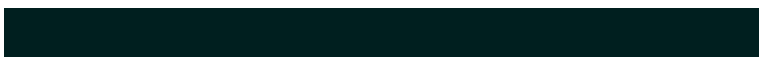
24.6821, 26.7066, 51.4309



9.8086, 10.8095, 12.2417



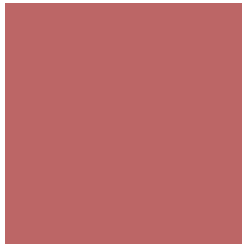
18.4227, 26.9571, 36.6252



0.7216, 1.0560, 1.4346

Previews

White Background



This preview shows how the XYZ color 27.8887, 21.1534, 15.1835 looks on a white background.

Color Contrast Check

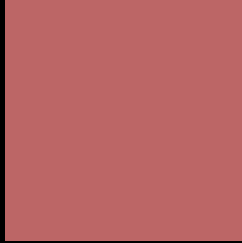
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8887, 21.1534, 15.1835 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 27.8887, 21.1534, 15.1835

Background



This preview shows how black text looks on a background with the XYZ color 27.8887, 21.1534, 15.1835.



This preview shows how white text looks on a background with the XYZ color 27.8887, 21.1534,

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

27.8887, 21.1534, 15.1835

Protanopia

20.2995, 21.3802, 18.9765

Deuteranopia

21.5586, 21.1905, 14.5092



Tritanopia

28.0995, 21.0814, 16.7755

Trichromacy



Original Color

27.8887, 21.1534, 15.1835

Protanomaly

22.4298, 20.8550, 17.5951

Deuteranomaly

23.4871, 20.9489, 14.6100

Tritanomaly

27.9942, 21.0393, 16.2212

Monochromacy



Original Color

27.8887, 21.1534, 15.1835

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.5043, 21.0096, 20.3219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8887, 21.1534, 15.1835 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(188, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(188, 102, 102)  
}
```

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(188, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 27.8887, 21.1534, 15.1835 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(188, 102, 102) }
```


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

```
.border{ border-color:rgb(188, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(188, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(188, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8887, 21.1534, 15.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 102, 102) }
```

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

```
.background{ background-color: rgb(188,  
102, 102) }
```

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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