

Converting Colors

XYZ(27.7932, 20.7382, 12.2109)

Have a look what the booklet for
XYZ(27.7932, 20.7382, 12.2109)
contains.

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Color

**XYZ(27.7932, 20.7382,
12.2109)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BF635A |
| RGB | 191, 99, 90 |
| RGB Percent | 75%, 39%, 35% |
| CMY | 0.2510, 0.6117, 0.6471 |
| CMYK | 0.00, 0.48, 0.53, 0.25 |
| HSL | 5°, 44%, 55% |
| HSV | 5°, 53%, 75% |
| XYZ | 27.7932, 20.7382, 12.2109 |
| YIQ | 125.4820, 57.7210, 16.7050 |

Conversions

Conversions Part 2

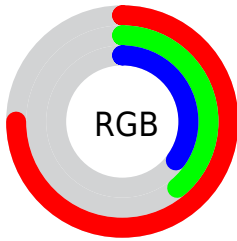
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 191, 100, 90 |
| Decimal | 12542810 |
| CIE Lab | 52.66, 35.92, 21.93 |
| CIE LCh | 53, 42.084, 31.413 |
| Yxy | 20.7382, 0.4576, 0.3414 |
| Android (android.graphics.Color) | 4290732890 (0xFFBF635A) |
| YUV | 125.4820, -17.4926, 57.4593 |
| Hunter-Lab | 45.5392, 29.2473, 15.9794 |

Details

The XYZ color **27.7932, 20.7382, 12.2109** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **30.3475, 39.3893, 55.2936**, and the grayscale version is **19.6998, 20.7257, 22.5703**.

A 20% lighter version of the original color is **55.7455, 44.8592, 30.5315**, and **11.2258, 7.3650, 3.2128** is the 20% darker color. If you saturate the color by 10%, you get **25.6078, 17.5057, 7.9738**, and if you desaturate by 10%, it is **30.5435, 24.7665, 17.6671**.

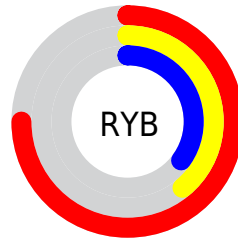
Distribution



Red (75%)

Green (39%)

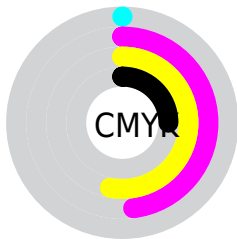
Blue (35%)



Red (75%)

Yellow (39%)

Blue (35%)

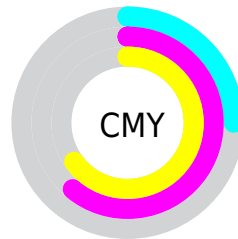


Cyan (0%)

Magenta (48%)

Yellow (53%)

Black (25%)



Cyan (25%)


Magenta (61%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7932, 20.7382, 12.2109 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 27.7932, 20.7382, 12.2109 by changing the saturation by 10% instead.

 27.7932, 20.7382,
12.2109


 27.7932, 20.7382,
12.2109


283.5755,
255.8839, 216.8238


 18.3095, 12.9328,
6.7632


 55.5651, 44.6514,
30.5488


 11.2734, 7.3823,
3.2383


 74.5839, 61.5280,
44.2760


 6.3197, 3.7023,
1.2175


 97.5119, 82.1971,
61.6002

 3.0829, 1.5085,
0.0000

 124.7143,
107.0431, 82.9398

 1.1978, 0.2947,
0.0000

 156.5565,
136.4503, 108.7134

 0.1046, 0.0000,
0.0000

193.4038,

 0.0000, 0.0000,

170.8033, 139.3396

0.0000

235.6217,
210.4864, 175.2369

■ 27.7932, 20.7382,
12.2109

■ 27.7932, 20.7382,
12.2109

■ 25.6078, 17.5057,
7.9738

■ 30.5435, 24.7665,
17.6671

■ 23.9465, 15.0132,
4.8611

■ 33.8928, 29.6351,
24.4253

■ 22.7653, 13.2027,
2.7655

■ 37.8743, 35.3891,
32.5623

■ 22.0121, 12.0063,
1.5587

■ 42.5182, 42.0694,
42.1488

■ 21.6867, 11.4781,
1.0725

■ 47.8529, 49.7145,
53.2504

■ 53.9049, 58.3604,
65.9290

■ 60.6997, 68.0417,
80.2427

■ 68.2612, 78.7909,
96.2469

■ 75.2958, 89.8164,
107.9755

Harmonies

Analogous

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



29.3686, 20.7382, 21.9916



27.7932, 20.7382, 12.2109



24.0144, 20.7382, 7.3486

Triad

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



27.7932, 20.7382, 12.2109



13.2111, 20.7382, 12.9066



19.9192, 20.7382, 56.2235

Complementary

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



27.7932, 20.7382, 12.2109



30.3475, 39.3893, 55.2936

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.



15.9552, 20.7382, 51.0137



27.7932, 20.7382, 12.2109



12.4434, 20.7382, 23.1796

Square

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



27.7932, 20.7382, 12.2109



15.6452, 20.7382, 7.6332



13.3706, 20.7382, 37.6010



24.4265, 20.7382, 49.9978

Rectangle

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



27.7932, 20.7382, 12.2109



20.9933, 20.7382, 6.1581



13.3706, 20.7382, 37.6010



18.4821, 20.7382, 55.7424

Sweetspot

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



27.7937, 20.7393, 12.2113



73.2082, 71.1197, 69.3978



33.6460, 21.7904, 47.0054



15.6921, 15.0654, 14.4467



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.7937, 20.7393, 12.2113



45.4858, 30.7896, 13.5610



34.0657, 33.2832, 14.3019



9.5967, 9.6695, 9.9372



14.2786, 7.5959, 0.7136



0.5827, 0.3444, 0.0358

Inverse Universe

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



30.3475, 39.3893, 55.2936



50.4768, 67.5246, 98.6523



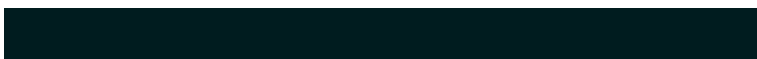
21.8832, 22.4606, 52.4721



9.7339, 10.6601, 12.2168



16.1541, 22.4200, 35.8690



0.6543, 0.9213, 1.4122

Previews

White Background



This preview shows how the XYZ color 27.7932, 20.7382, 12.2109 looks on a white background.

Color Contrast Check

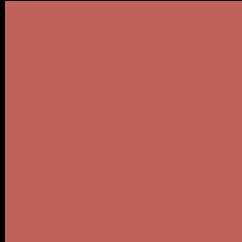
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7932, 20.7382, 12.2109 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 27.7932, 20.7382, 12.2109

Background



This preview shows how black text looks on a background with the XYZ color 27.7932, 20.7382, 12.2109.



This preview shows how white text looks on a background with the XYZ color 27.7932, 20.7382,

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

27.7932, 20.7382, 12.2109

Protanopia

19.6906, 20.9494, 15.5762

Deuteranopia

21.2796, 20.9259, 11.7217



Tritanopia

28.5116, 20.7553, 15.6002

Trichromacy



Original Color

27.7932, 20.7382, 12.2109

Protanomaly

21.9676, 20.3412, 14.3237

Deuteranomaly

23.3513, 20.6054, 11.7633

Tritanomaly

28.3580, 20.8427, 14.3328

Monochromacy



Original Color

27.7932, 20.7382, 12.2109

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.5644, 20.0502, 18.0627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7932, 20.7382, 12.2109 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(191, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(191, 99, 90)  
}
```

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(191, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 99, 90) }
```

Border

The CSS property to change the border of an element to XYZ 27.7932, 20.7382, 12.2109 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(191, 99, 90) }
```


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

```
.border{ border-color:rgb(191, 99, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 99, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(191, 99,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7932, 20.7382, 12.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 99, 90) }
```

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

```
.background{ background-color: rgb(191, 99,  
90) }
```

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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