

Converting Colors

XYZ(27.7674, 21.1698, 13.5446)

Have a look what the booklet for
XYZ(27.7674, 21.1698, 13.5446)
contains.

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Color

**XYZ(27.8032, 21.1478,
13.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	BD665F
RGB	189, 102, 95
RGB Percent	74%, 40%, 37%
CMY	0.2588, 0.6000, 0.6274
CMYK	0.00, 0.46, 0.50, 0.26
HSL	4°, 42%, 56%
HSV	4°, 50%, 74%
XYZ	27.8032, 21.1478, 13.4430
YIQ	127.2150, 54.0990, 16.2670

Conversions

Conversions Part 2

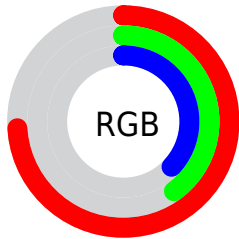
Format	Color
RYB	189, 103, 95
Decimal	12412511
CIELab	53.11, 34.02, 19.57
CIELCh	53, 39.246, 29.908
Yxy	21.1478, 0.4456, 0.3389
Android (android.graphics.Color)	4290602591 (0xFFBD665F)
YUV	127.2150, -15.8820, 54.1854
Hunter-Lab	45.9867, 27.4428, 14.8589

Details

The XYZ color **27.8032, 21.1478, 13.4430** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **30.6316, 39.5608, 54.1655**, and the grayscale version is **20.2872, 21.3437, 23.2433**.

A 20% lighter version of the original color is **55.3778, 45.1120, 32.5768**, and **11.2981, 7.5833, 3.7740** is the 20% darker color. If you saturate the color by 10%, you get **25.5046, 17.7628, 8.9402**, and if you desaturate by 10%, it is **30.6740, 25.3438, 19.1651**.

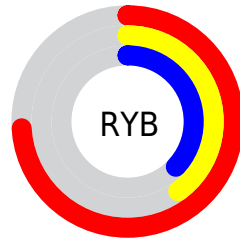
Distribution



Red (74%)

Green (40%)

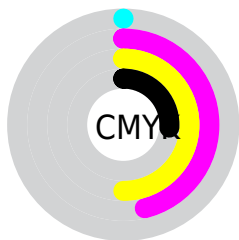
Blue (37%)



Red (74%)

Yellow (40%)

Blue (37%)

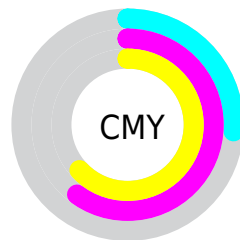


Cyan (0%)

Magenta (46%)

Yellow (50%)

Black (26%)



Cyan (26%)


Magenta (60%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8032, 21.1478, 13.4430 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 27.8032, 21.1478, 13.4430 by changing the saturation by 10% instead.


 27.8032, 21.1478,
13.4430


 27.8032, 21.1478,
13.4430


283.6225,
258.0629, 225.0442


 18.3171, 13.2321,
7.6000


 55.5809, 45.3334,
32.8002


 11.2789, 7.5886,
3.7560


 74.6032, 62.3720,
47.1514

 6.3234, 3.8328,
1.4925


 97.5350, 83.2205,
65.1758

 3.0853, 1.5805,
0.2123

 124.7415,
108.2631, 87.2919

 1.1990, 0.3444,
0.0000

156.5881,
137.8842, 113.9183

 0.1056, 0.0000,
0.0000

193.4403,

 0.0000, 0.0000,

172.4683, 145.4734

0.0000

235.6633,
212.3997, 182.3759

■ 27.8032, 21.1478,
13.4430

■ 27.8032, 21.1478,
13.4430

■ 25.5046, 17.7628,
8.9402

■ 30.6740, 25.3438,
19.1651

■ 23.7382, 15.1332,
5.5671

■ 34.1501, 30.3949,
26.1851

■ 22.4616, 13.2020,
3.2237


■ 38.2642, 36.3461,
34.5762


■ 21.6248, 11.9023,
1.7918

■ 43.0460, 43.2382,
44.4059


■ 21.1535, 11.1489,
1.0514


■ 48.5234, 51.1095,
55.7372

 21.1444, 11.1351,
1.0349

 54.7226, 59.9964,
68.6295

 61.6687, 69.9330,
83.1389

 69.3852, 80.9522,
99.3186

 74.7962, 89.5588,
107.9521

Harmonies

Analogous

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



29.1374, 21.1478, 23.0630



27.8032, 21.1478, 13.4430



24.3526, 21.1478, 8.4177

Triad

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



27.8032, 21.1478, 13.4430



13.9804, 21.1478, 13.3987



20.0876, 21.1478, 54.0951

Complementary

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



27.8032, 21.1478, 13.4430



30.6316, 39.5608, 54.1655

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.



16.3744, 21.1478, 48.8548



27.8032, 21.1478, 13.4430



13.1566, 21.1478, 22.9897

Square

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



27.8032, 21.1478, 13.4430



16.3937, 21.1478, 8.3990



13.9704, 21.1478, 36.3357



24.3274, 21.1478, 48.9154

Rectangle

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



27.8032, 21.1478, 13.4430



21.5249, 21.1478, 7.1047



13.9704, 21.1478, 36.3357



18.7401, 21.1478, 53.4754

Sweetspot

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



27.8037, 21.1489, 13.4434



72.2301, 70.4319, 69.5139



33.5980, 22.4111, 47.2092



15.1532, 14.5988, 14.1694



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.



27.8037, 21.1489, 13.4434



45.2416, 31.1655, 15.1665



33.6836, 32.9086, 15.4033



9.5858, 9.6475, 9.9336



14.2491, 7.5369, 0.7038



0.5779, 0.3346, 0.0341

Inverse Universe

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



30.6316, 39.5608, 54.1655



50.8606, 67.9353, 96.6584



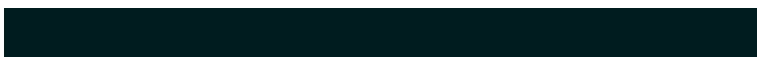
22.6714, 23.6404, 51.5121



9.7461, 10.6845, 12.2208



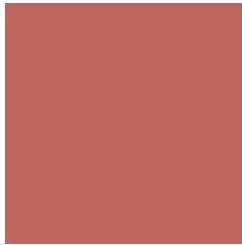
16.5082, 23.1281, 35.9870



0.6650, 0.9426, 1.4157

Previews

White Background



This preview shows how the XYZ color 27.8032, 21.1478, 13.4430 looks on a white background.

Color Contrast Check

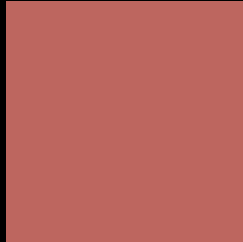
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8032, 21.1478, 13.4430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

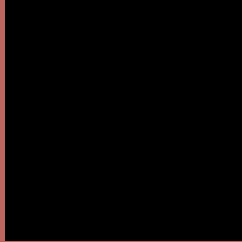
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8032, 21.1478, 13.4430

Background



This preview shows how black text looks on a background with the XYZ color 27.8032, 21.1478, 13.4430.



This preview shows how white text looks on a background with the XYZ color 27.8032, 21.1478,

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

27.8032, 21.1478, 13.4430

Protanopia

20.0747, 21.3086, 16.9648

Deuteranopia

21.6104, 21.2537, 12.8609



Tritanopia

28.4462, 21.1230, 16.4878

Trichromacy



Original Color

27.8032, 21.1478, 13.4430

Protanomaly

22.2530, 20.8062, 15.6751

Deuteranomaly

23.5796, 21.0335, 12.9423

Tritanomaly

28.3371, 21.2338, 15.4370

Monochromacy



Original Color

27.8032, 21.1478, 13.4430

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.1506, 20.6787, 19.0436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8032, 21.1478, 13.4430 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(189, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(189, 102, 95)  
}
```

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(189, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 102, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.8032, 21.1478, 13.4430 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(189, 102, 95) }
```


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

```
.border{ border-color:rgb(189, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(189, 102,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8032, 21.1478, 13.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 102, 95) }
```

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

```
.background{ background-color: rgb(189,  
102, 95) }
```

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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