

Converting Colors

XYZ(29.8229, 21.9721, 9.8905)

Have a look what the booklet for
XYZ(29.8229, 21.9721, 9.8905)
contains.

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Color

**XYZ(29.7517, 21.9438,
9.8752)**

Conversions

Conversions Part 1

Format	Color
Hex	C8644E
RGB	200, 100, 78
RGB Percent	78%, 39%, 31%
CMY	0.2157, 0.6078, 0.6941
CMYK	0.00, 0.50, 0.61, 0.22
HSL	11°, 53%, 55%
HSV	11°, 61%, 78%
XYZ	29.7517, 21.9438, 9.8752
YIQ	127.3920, 66.6620, 14.3580

Conversions

Conversions Part 2

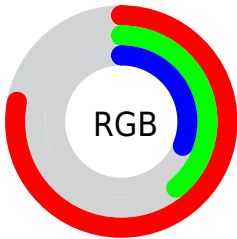
Format	Color
R_{YB}	200, 105, 78
Decimal	13132878
CIE _{Lab}	53.97, 37.91, 30.77
CIE _{LCh}	54, 48.827, 39.071
Yxy	21.9438, 0.4832, 0.3564
Android (android.graphics.Color)	4291322958 (0xFFC8644E)
YUV	127.3920, -24.3503, 63.6772
Hunter-Lab	46.8442, 31.3916, 20.2921

Details

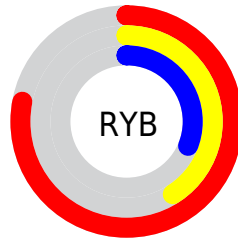
The XYZ color **29.7517, 21.9438, 9.8752** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **29.4863, 37.6280, 60.3520**, and the grayscale version is **20.3736, 21.4346, 23.3422**.

A 20% lighter version of the original color is **56.5275, 45.6010, 26.2446**, and **12.3573, 7.9692, 2.3257** is the 20% darker color. If you saturate the color by 10%, you get **27.7234, 18.8657, 6.1834**, and if you desaturate by 10%, it is **32.3154, 25.7441, 14.8214**.

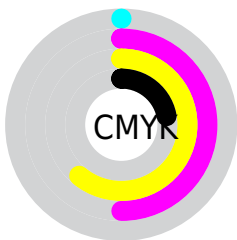
Distribution



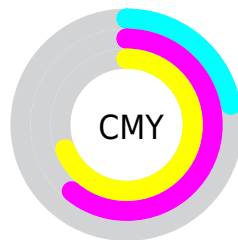
- Red (78%)
- Green (39%)
- Blue (31%)



- Red (78%)
- Yellow (41%)
- Blue (31%)



- Cyan (0%)
- Magenta (50%)
- Yellow (61%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7517, 21.9438, 9.8752 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 29.7517, 21.9438, 9.8752 by changing the saturation by 10% instead.


 29.7517, 21.9438,
9.8752


 29.7517, 21.9438,
9.8752


292.6760,
262.2526, 200.2314


 19.7973, 13.8156,
5.2118


 58.6586, 46.6531,
26.1646


 12.3552, 7.9925,
2.3111


 78.3419, 64.0030,
38.6277

 7.0600, 4.0902,
0.7374


 101.9988, 85.1956,
54.5278

 3.5463, 1.7241,
0.0000

 129.9948,
110.6152, 74.2833

 1.4488, 0.4392,
0.0000

 162.6951,
140.6464, 98.3129

 0.2906, 0.0000,
0.0000

200.4652,

 0.0000, 0.0000,

175.6734, 127.0351

0.0000

243.6704,
216.0807, 160.8684

■ 29.7517, 21.9438,
9.8752

■ 29.7517, 21.9438,
9.8752

■ 27.7234, 18.8657,
6.1834

■ 32.3154, 25.7441,
14.8214

■ 26.1895, 16.4600,
3.6306

■ 35.4483, 30.3053,
21.1210

■ 25.1048, 14.6757,
2.0818

■ 39.1833, 35.6674,
28.8643

■ 24.4524, 13.5456,
1.3258

■ 43.5501, 41.8665,
38.1337

■ 48.5767, 48.9367,
49.0052

■ 54.2890, 56.9099,
61.5497

■ 60.7119, 65.8166,
75.8340

■ 67.8686, 75.6858,
91.9209

■ 75.2948, 86.3504,
107.3066

Harmonies

Analogous

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



32.5451, 21.9438, 19.6046



29.7517, 21.9438, 9.8752



24.6888, 21.9438, 5.7483

Triad

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



29.7517, 21.9438, 9.8752



12.7537, 21.9438, 14.9558



22.4952, 21.9438, 65.5193

Complementary

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



29.7517, 21.9438, 9.8752



29.4863, 37.6280, 60.3520

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.



17.4436, 21.9438, 62.5270



29.7517, 21.9438, 9.8752



12.3674, 21.9438, 28.7654

Square

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



29.7517, 21.9438, 9.8752



15.1013, 21.9438, 7.7054



13.9393, 21.9438, 47.2410



27.9156, 21.9438, 54.2365

Rectangle

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



29.7517, 21.9438, 9.8752



21.0215, 21.9438, 5.0405



13.9393, 21.9438, 47.2410



20.6932, 21.9438, 66.2253

Sweetspot

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



29.7522, 21.9450, 9.8756



77.6718, 75.6899, 70.9024



34.7479, 21.0099, 45.2258



16.1025, 15.4635, 14.0536



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.7522, 21.9450, 9.8756



47.1030, 31.2748, 9.1599



37.6499, 37.7403, 12.5082



10.7860, 10.9412, 11.1061



15.5954, 8.7080, 0.8588



0.7870, 0.5095, 0.0569

Inverse Universe

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



29.4863, 37.6280, 60.3520



46.4618, 60.4161, 103.8204



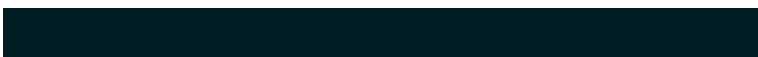
20.1245, 18.9044, 57.2314



10.7777, 11.7296, 13.6135



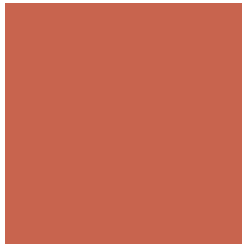
15.1211, 19.6361, 37.7375



0.7596, 1.0171, 1.8014

Previews

White Background



This preview shows how the XYZ color 29.7517, 21.9438, 9.8752 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 29.7517, 21.9438, 9.8752 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 29.7517, 21.9438, 9.8752

Background



This preview shows how black text looks on a background with the XYZ color 29.7517, 21.9438, 9.8752.



This preview shows how white text looks on a background with the XYZ color 29.7517, 21.9438,

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

29.7517, 21.9438, 9.8752

Protanopia

20.4686, 21.9972, 12.6183

Deuteranopia

22.5108, 22.1654, 9.3952



Tritanopia

31.0800, 22.0852, 15.4567

Trichromacy



Original Color

29.7517, 21.9438, 9.8752

Protanomaly

23.0184, 21.2941, 11.4913

Deuteranomaly

24.6343, 21.6537, 9.5378

Tritanomaly

30.4755, 21.9610, 13.2223

Monochromacy



Original Color

29.7517, 21.9438, 9.8752

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.4480, 20.6967, 17.2797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7517, 21.9438, 9.8752 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(200, 100, 78)` looks like.

```
.text, #text, p{  
    color:rgb(200, 100, 78)  
}
```

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(200, 100, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 100, 78) }
```

Border

The CSS property to change the border of an element to XYZ 29.7517, 21.9438, 9.8752 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(200, 100, 78) }
```


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

```
.border{ border-color:rgb(200, 100, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 100, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 100, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 100, 78);  
box-shadow:4px 4px 4px 4px rgb(200, 100,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7517, 21.9438, 9.8752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 100, 78) }
```

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

```
.background{ background-color: rgb(200,  
100, 78) }
```

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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