

# Converting Colors

XYZ(29.4532, 22.6181, 13.4976)

Have a look what the booklet for  
XYZ(29.4532, 22.6181, 13.4976)  
contains.

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# Color

**XYZ(29.4225, 22.5856,  
13.3984)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26A5E
RGB	194, 106, 94
RGB Percent	76%, 42%, 37%
CMY	0.2392, 0.5843, 0.6314
CMYK	0.00, 0.45, 0.52, 0.24
HSL	7°, 45%, 56%
HSV	7°, 52%, 76%
XYZ	29.4225, 22.5856, 13.3984
YIQ	130.9440, 56.3000, 14.9240

# Conversions

## Conversions Part 2

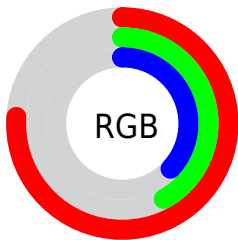
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 108, 94
Decimal	12741214
CIELab	54.64, 33.74, 22.32
CIELCh	55, 40.453, 33.487
Yxy	22.5856, 0.4498, 0.3453
Android (android.graphics.Color)	4290931294 (0xFFC26A5E)
YUV	130.9440, -18.2134, 55.3001
Hunter-Lab	47.5243, 27.3426, 16.5515

# Details

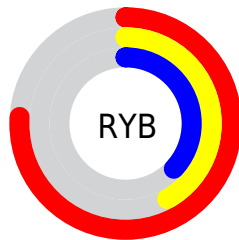
The XYZ color **29.4225, 22.5856, 13.3984** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **31.0804, 39.7282, 57.0687**, and the grayscale version is **21.6030, 22.7280, 24.7508**.

A 20% lighter version of the original color is **58.3052, 47.8807, 32.5544**, and **12.1010, 8.2760, 3.7559** is the 20% darker color. If you saturate the color by 10%, you get **27.0713, 19.1058, 8.8462**, and if you desaturate by 10%, it is **32.3438, 26.8556, 19.2203**.

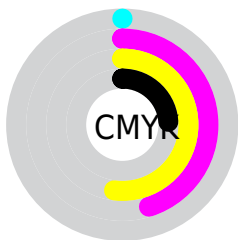
# Distribution



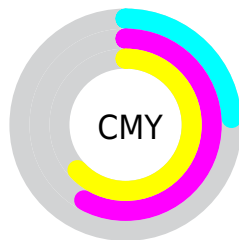
- Red (76%)
- Green (42%)
- Blue (37%)



- Red (76%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (45%)
- Yellow (52%)
- Black (24%)




- Cyan (24%)
- Magenta (58%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4225, 22.5856, 13.3984 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 29.4225, 22.5856, 13.3984 by changing the saturation by 10% instead.



 29.4225, 22.5856,  
13.3984


 29.4225, 22.5856,  
13.3984


291.1616,  
265.5894, 224.7522


 19.5466, 14.2878,  
7.5695


 58.1406, 47.7120,  
32.7193


 12.1722, 8.3211,  
3.7370


 77.7135, 65.3094,  
47.0484

 6.9341, 4.3011,  
1.4822


 101.2494, 86.7754,  
65.0480

 3.4669, 1.8434,  
0.2046

 129.1137,  
112.4945, 87.1366

 1.4052, 0.5140,  
0.0000

161.6717,  
142.8511, 113.7328

 0.2599, 0.0000,  
0.0000

199.2887,

 0.0000, 0.0000,

178.2295, 145.2551

0.0000

242.3303,  
219.0141, 182.1221

■ 29.4225, 22.5856,  
13.3984

■ 29.4225, 22.5856,  
13.3984

■ 27.0713, 19.1058,  
8.8462

■ 32.3438, 26.8556,  
19.2203

■ 25.2510, 16.3642,  
5.4675

■ 35.8676, 31.9566,  
26.3960

■ 23.9198, 14.3082,  
3.1542

■ 40.0260, 37.9309,  
35.0038

■ 23.0288, 12.8764,  
1.7777

■ 44.8481, 44.8167,  
45.1157

■ 22.5602, 12.0936,  
1.1453

■ 50.3615, 52.6500,  
56.7987

■ 56.5920, 61.4648,  
70.1159

■ 63.5641, 71.2937,  
85.1270

■ 71.3012, 82.1674,  
101.8884

■ 76.0580, 90.2092,  
108.0112

# Harmonies

## Analogous

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



31.1895, 22.5856, 23.1315



29.4225, 22.5856, 13.3984



25.5173, 22.5856, 8.5365

# Triad

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



29.4225, 22.5856, 13.3984



14.6850, 22.5856, 15.1951



21.9915, 22.5856, 58.0543

# Complementary

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



29.4225, 22.5856, 13.3984



31.0804, 39.7282, 57.0687

# 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.



17.8696, 22.5856, 53.6806



29.4225, 22.5856, 13.3984



14.0093, 22.5856, 26.1125

# Square

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



29.4225, 22.5856, 13.3984



17.0838, 22.5856, 9.2939



15.0927, 22.5856, 40.7404



26.5421, 22.5856, 51.2116



# Rectangle

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



29.4225, 22.5856, 13.3984



22.4521, 22.5856, 7.3966



15.0927, 22.5856, 40.7404



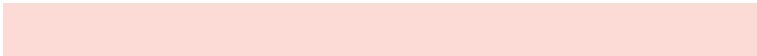
20.5110, 22.5856, 57.8546

# Sweetspot

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



29.4231, 22.5868, 13.3988



77.8853, 76.3946, 74.6497



34.7287, 22.8660, 47.0197



16.6434, 16.1404, 15.4819



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.



29.4231, 22.5868, 13.3988



48.5153, 33.8209, 15.0207



36.1010, 35.9426, 15.6248



10.1685, 10.2684, 10.5079



14.8653, 8.0163, 0.7638



0.6752, 0.4122, 0.0440



# Inverse Universe

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



31.0804, 39.7282, 57.0687



51.7846, 68.1916, 102.9028



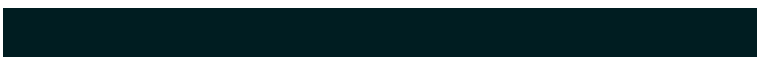
22.6503, 22.8679, 54.2587



10.2620, 11.2153, 12.9087



15.9807, 21.7179, 36.9063



0.7202, 0.9977, 1.6045



# Previews

## White Background



This preview shows how the XYZ color 29.4225, 22.5856, 13.3984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

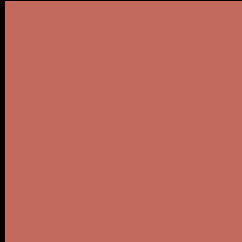
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.4225, 22.5856, 13.3984 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 29.4225, 22.5856, 13.3984**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4225, 22.5856, 13.3984.



This preview shows how white text looks on a background with the XYZ color 29.4225, 22.5856,



# 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

29.4225, 22.5856, 13.3984

### Protanopia

21.3136, 22.7415, 16.6308

### Deuteranopia

23.2109, 22.8280, 12.8558



## Tritanopia

30.3252, 22.6504, 17.8126

# Trichromacy



## Original Color

29.4225, 22.5856, 13.3984

## Protanomaly

23.6066, 22.2296, 15.3585

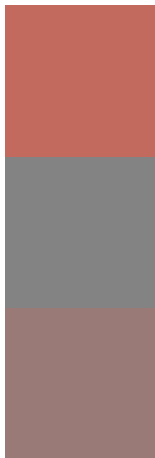
## Deuteranomaly

25.0627, 22.4950, 12.9186

## Tritanomaly

30.1071, 22.7252, 16.1642

# Monochromacy



## Original Color

29.4225, 22.5856, 13.3984

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

23.5560, 22.0971, 20.1632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4225, 22.5856, 13.3984 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(194, 106, 94)` looks like.

```
.text, #text, p{  
    color:rgb(194, 106, 94)  
}
```

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(194, 106, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 106, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4225, 22.5856, 13.3984 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(194, 106, 94) }
```



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

```
.border{ border-color:rgb(194, 106, 94) }
```

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

Here you see how a box with a 4 pixel rgb(194, 106, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 106, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 106, 94);  
box-shadow:4px 4px 4px 4px rgb(194, 106,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4225, 22.5856, 13.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 106, 94) }
```

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

```
.background{ background-color: rgb(194,  
106, 94) }
```

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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