

# Converting Colors

XYZ(28.7842, 26.6741, 13.3044)

Have a look what the booklet for  
XYZ(28.7842, 26.6741, 13.3044)  
contains.

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# Color

**XYZ(28.7842, 26.6741,  
13.3044)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B4835A</a>
RGB	<a href="#">180, 131, 90</a>
RGB Percent	<a href="#">71%, 51%, 35%</a>
CMY	<a href="#">0.2941, 0.4863, 0.6471</a>
CMYK	<a href="#">0.00, 0.27, 0.50, 0.29</a>
HSL	<a href="#">27°, 37%, 53%</a>
HSV	<a href="#">27°, 50%, 71%</a>
XYZ	<a href="#">28.7842, 26.6741, 13.3044</a>
YIQ	<a href="#">140.9770, 42.3650, -2.3630</a>

# Conversions

## Conversions Part 2

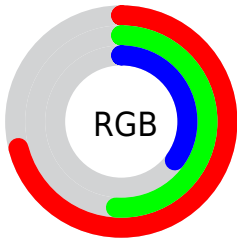
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 165, 90
Decimal	11830106
CIE <sub>Lab</sub>	58.67, 13.91, 29.50
CIE <sub>LCh</sub>	59, 32.614, 64.754
Yxy	26.6741, 0.4186, 0.3879
Android (android.graphics.Color)	4290020186 (0xFFB4835A)
YUV	140.9770, -25.1317, 34.2232
Hunter-Lab	51.6470, 9.1005, 20.8796

# Details

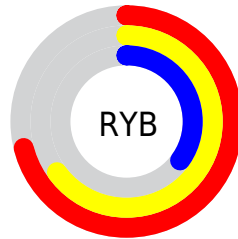
The XYZ color **28.7842, 26.6741, 13.3044** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **21.6869, 23.9333, 46.6566**, and the grayscale version is **25.3928, 26.7152, 29.0929**.

A 20% lighter version of the original color is **57.2081, 54.3812, 32.6807**, and **11.9108, 10.5690, 3.6977** is the 20% darker color. If you saturate the color by 10%, you get **26.8545, 23.8960, 9.3281**, and if you desaturate by 10%, it is **31.0252, 29.7780, 18.3003**.

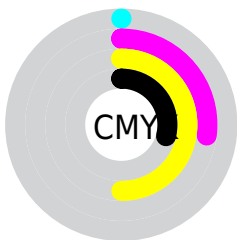
# Distribution



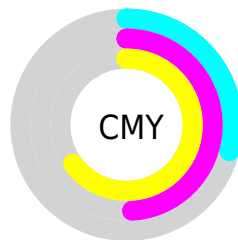
- Red (71%)
- Green (51%)
- Blue (35%)



- Red (71%)
- Yellow (65%)
- Blue (35%)



- Cyan (0%)
- Magenta (27%)
- Yellow (50%)
- Black (29%)




- Cyan (29%)
- Magenta (49%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7842, 26.6741, 13.3044 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 28.7842, 26.6741, 13.3044 by changing the saturation by 10% instead.





 28.7842, 26.6741,  
13.3044


 28.7842, 26.6741,  
13.3044


288.2080,  
286.0757, 224.1353


 19.0611, 17.3286,  
7.5053

 57.1340, 54.3605,  
32.5487

 11.8187, 10.4691,  
3.6969


 76.4914, 73.4701,  
46.8311


 6.6917, 5.7111,  
1.4606


 99.7909, 96.6033,  
64.7782

 3.3146, 2.6702,  
0.1883

 127.3979,  
124.1444, 86.8088

 1.3223, 0.9621,  
0.0000

 159.6778,  
156.4778, 113.3412

 0.1998, 0.0000,  
0.0000

196.9958,

 0.0000, 0.0000,

193.9878, 144.7941

0.0000

239.7175,  
237.0590, 181.5859

■ 28.7842, 26.6741,  
13.3044

■ 28.7842, 26.6741,  
13.3044

■ 26.8545, 23.8960,  
9.3281

■ 31.0252, 29.7780,  
18.3003

■ 25.2172, 21.4274,  
6.2970

■ 33.5912, 33.2154,  
24.3799

■ 23.8537, 19.2564,  
4.1288


■ 36.4972, 36.9983,  
31.6039


■ 22.7421, 17.3681,  
2.7261


■ 39.7566, 41.1371,  
40.0279

■ 21.8404, 15.7392,  
1.8869


■ 43.3822, 45.6415,  
49.7040

 21.8403, 15.7391,  
1.8868

 47.3857, 50.5209,  
60.6809

 51.7788, 55.7843,  
73.0051

 56.5722, 61.4405,  
86.7205

 61.7764, 67.4978,  
101.8690

# Harmonies

## Analogous

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



32.2270, 26.6741, 18.1907



28.7842, 26.6741, 13.3044



24.7196, 26.6741, 12.1328

# Triad

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



28.7842, 26.6741, 13.3044



18.4219, 26.6741, 30.9114



30.0050, 26.6741, 51.2149

# Complementary

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



28.7842, 26.6741, 13.3044



21.6869, 23.9333, 46.6566

# 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.



25.9970, 26.6741, 57.0605



28.7842, 26.6741, 13.3044



19.5333, 26.6741, 43.5304

# Square

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



28.7842, 26.6741, 13.3044



19.0014, 26.6741, 20.6099



22.2058, 26.6741, 53.9314



32.9822, 26.6741, 39.5115



# Rectangle

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



28.7842, 26.6741, 13.3044



22.2608, 26.6741, 13.2568



22.2058, 26.6741, 53.9314



28.7189, 26.6741, 54.0527

# Sweetspot

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



28.7849, 26.6754, 13.3049



68.8988, 70.5633, 64.2715



27.1755, 18.8946, 26.8330



14.6304, 14.9187, 13.2198



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.7849, 26.6754, 13.3049



48.3640, 42.8430, 16.2725



36.0954, 41.2965, 15.7418



8.8046, 9.1218, 8.9492



15.3087, 11.1160, 1.3388



0.5402, 0.4669, 0.0616



# Inverse Universe

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



21.6869, 23.9333, 46.6566



34.0003, 37.2722, 83.6968



16.5022, 13.5639, 44.9283



8.4125, 8.9711, 10.7945



8.8655, 8.5314, 31.3164



0.3364, 0.3833, 1.0045



# Previews

## White Background



This preview shows how the XYZ color 28.7842, 26.6741, 13.3044 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 28.7842, 26.6741, 13.3044 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 28.7842, 26.6741, 13.3044**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7842, 26.6741, 13.3044.



This preview shows how white text looks on a background with the XYZ color 28.7842, 26.6741,



# 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

28.7842, 26.6741, 13.3044

### Protanopia

24.6821, 26.6302, 14.4289

### Deuteranopia

27.2617, 26.7071, 13.1693



## Tritanopia

31.4740, 26.6068, 26.3984

# Trichromacy



## Original Color

28.7842, 26.6741, 13.3044

## Protanomaly

26.0257, 26.4682, 14.0931

## Deuteranomaly

27.7838, 26.7701, 13.1540

## Tritanomaly

30.4476, 26.5779, 20.9781

# Monochromacy



## Original Color

28.7842, 26.6741, 13.3044

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

25.9761, 26.2650, 22.1129

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7842, 26.6741, 13.3044 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(180, 131, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 131, 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(180, 131, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 131, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7842, 26.6741, 13.3044 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(180, 131, 90) }
```



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

```
.border{ border-color:rgb(180, 131, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 131, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 131, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 131, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 131,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7842, 26.6741, 13.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 131, 90) }
```

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

```
.background{ background-color: rgb(180,  
131, 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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