

Converting Colors

XYZ(28.2865, 27.4435, 13.2575)

Have a look what the booklet for
XYZ(28.2865, 27.4435, 13.2575)
contains.

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Color

**XYZ(28.2865, 27.4435,
13.2575)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8859
RGB	175, 136, 89
RGB Percent	69%, 53%, 35%
CMY	0.3137, 0.4666, 0.6510
CMYK	0.00, 0.22, 0.49, 0.31
HSL	33°, 35%, 52%
HSV	33°, 49%, 69%
XYZ	28.2865, 27.4435, 13.2575
YIQ	142.3030, 38.3310, -6.3490

Conversions

Conversions Part 2

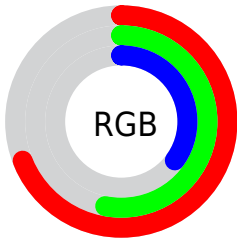
Format	Color
RYB	160, 175, 89
Decimal	11503705
CIELab	59.38, 8.90, 30.84
CIELCh	59, 32.100, 73.906
Yxy	27.4435, 0.4100, 0.3978
Android (android.graphics.Color)	4289693785 (0xFFAF8859)
YUV	142.3030, -26.2784, 28.6753
Hunter-Lab	52.3865, 4.7059, 21.6660

Details

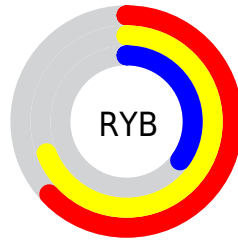
The XYZ color **28.2865, 27.4435, 13.2575** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.5766, 20.6566, 43.5126**, and the grayscale version is **25.9220, 27.2720, 29.6992**.

A 20% lighter version of the original color is **56.2099, 55.4444, 32.5502**, and **11.4914, 10.8158, 3.6725** is the 20% darker color. If you saturate the color by 10%, you get **26.5608, 25.0318, 9.4777**, and if you desaturate by 10%, it is **30.2710, 30.0933, 17.9860**.

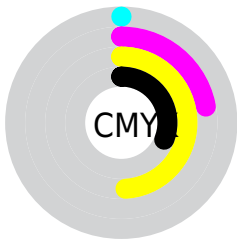
Distribution



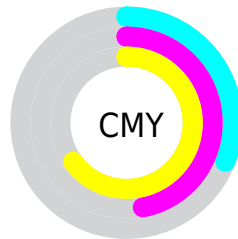
- Red (69%)
- Green (53%)
- Blue (35%)



- Red (63%)
- Yellow (69%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (49%)
- Black (31%)




- Cyan (31%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2865, 27.4435, 13.2575 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 28.2865, 27.4435, 13.2575 by changing the saturation by 10% instead.


 28.2865, 27.4435,
13.2575


 28.2865, 27.4435,
13.2575


285.8887,
289.7981, 223.8269


 18.6833, 17.9066,
7.4733


 56.3470, 55.5947,
32.4636


 11.5443, 10.8829,
3.6769


 75.5350, 74.9778,
46.7225


 6.5042, 5.9882,
1.4498


 98.6486, 98.4118,
64.6434

 3.1976, 2.8379,
0.1801

 126.0532,
126.2810, 86.6449

 1.2591, 1.0477,
0.0000

 158.1142,
158.9698, 113.1454

 0.1523, 0.0000,
0.0000

195.1968,

 0.0000, 0.0000,

196.8627, 144.5636

0.0000

237.6666,
240.3440, 181.3179

■ 28.2865, 27.4435,
13.2575

■ 28.2865, 27.4435,
13.2575

■ 26.5608, 25.0318,
9.4777

■ 30.2710, 30.0933,
17.9860

■ 25.0776, 22.8455,
6.5781

■ 32.5253, 32.9851,
23.7218

■ 23.8214, 20.8767,
4.4836

■ 35.0622, 36.1278,
30.5208

■ 22.7736, 19.1147,
3.1054

■ 37.8930, 39.5286,
38.4342

■ 21.9003, 17.5430,
2.2750

■ 41.0281, 43.1940,
47.5098

■ 21.8299, 17.4155,
2.2110

■ 44.4777, 47.1307,
57.7927

■ 48.2512, 51.3447,
69.3256

■ 52.3577, 55.8422,
82.1489

■ 56.8059, 60.6288,
96.3014

Harmonies

Analogous

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



32.0599, 27.4435, 17.0072



28.2865, 27.4435, 13.2575



24.2701, 27.4435, 13.1306

Triad

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



28.2865, 27.4435, 13.2575



19.2767, 27.4435, 35.5244



31.8210, 27.4435, 48.8396

Complementary

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



28.2865, 27.4435, 13.2575



19.5766, 20.6566, 43.5126

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.



27.9866, 27.4435, 56.9366



28.2865, 27.4435, 13.2575



20.9015, 27.4435, 48.0149

Square

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



28.2865, 27.4435, 13.2575



19.3392, 27.4435, 24.1544



23.9993, 27.4435, 56.6010



34.2393, 27.4435, 36.4486

Rectangle

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



28.2865, 27.4435, 13.2575



22.0051, 27.4435, 15.0152



23.9993, 27.4435, 56.6010



30.6387, 27.4435, 52.2806

Sweetspot

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



28.2872, 27.4448, 13.2580



64.7002, 67.0131, 59.9227



25.2230, 17.8475, 22.9312



14.1528, 14.6194, 12.6879



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.2872, 27.4448, 13.2580



47.3195, 44.4715, 16.4573



34.1756, 40.1669, 15.4033



8.3543, 8.7135, 8.4549



15.6953, 12.5961, 1.6041



0.4904, 0.4579, 0.0625

Inverse Universe

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



19.5766, 20.6566, 43.5126



29.8944, 30.9070, 77.0269



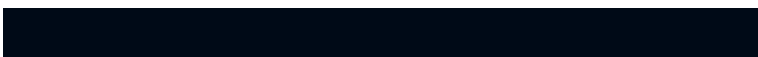
15.7108, 12.5087, 42.1437



7.8668, 8.3330, 10.1465



7.6218, 6.3775, 29.8738



0.2671, 0.2876, 0.8494

Previews

White Background



This preview shows how the XYZ color 28.2865, 27.4435, 13.2575 looks on a white background.

Color Contrast Check

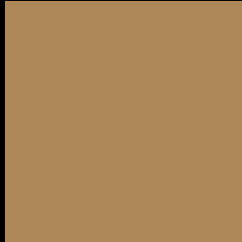
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2865, 27.4435, 13.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

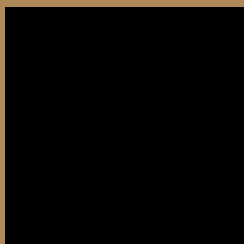
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2865, 27.4435, 13.2575

Background



This preview shows how black text looks on a background with the XYZ color 28.2865, 27.4435, 13.2575.



This preview shows how white text looks on a background with the XYZ color 28.2865, 27.4435,

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

28.2865, 27.4435, 13.2575

Protanopia

25.4645, 27.4855, 14.0883

Deuteranopia

27.9824, 27.4968, 13.2838



Tritanopia

31.5386, 27.5620, 28.4687

Trichromacy



Original Color

28.2865, 27.4435, 13.2575

Protanomaly

26.3707, 27.2980, 13.7767

Deuteranomaly

28.2044, 27.6113, 13.2942

Tritanomaly

30.0626, 27.3480, 21.7834

Monochromacy



Original Color

28.2865, 27.4435, 13.2575

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.2797, 27.0563, 22.5762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2865, 27.4435, 13.2575 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(175, 136, 89)` looks like.

```
.text, #text, p{  
    color:rgb(175, 136, 89)  
}
```

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(175, 136, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 136, 89) }
```

Border

The CSS property to change the border of an element to XYZ 28.2865, 27.4435, 13.2575 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(175, 136, 89) }
```


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

```
.border{ border-color:rgb(175, 136, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 136, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 136, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 136, 89);  
box-shadow:4px 4px 4px 4px rgb(175, 136,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2865, 27.4435, 13.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 136, 89) }
```

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

```
.background{ background-color: rgb(175,  
136, 89) }
```

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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