

Converting Colors

XYZ(29.4985, 27.5830, 12.5726)

Have a look what the booklet for
XYZ(29.4985, 27.5830, 12.5726)
contains.

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Color

**XYZ(29.4962, 27.6672,
12.5898)**

Conversions

Conversions Part 1

Format	Color
Hex	B68656
RGB	182, 134, 86
RGB Percent	71%, 53%, 34%
CMY	0.2863, 0.4745, 0.6627
CMYK	0.00, 0.26, 0.53, 0.29
HSL	30°, 40%, 53%
HSV	30°, 53%, 71%
XYZ	29.4962, 27.6672, 12.5898
YIQ	142.8800, 44.0160, -4.7520

Conversions

Conversions Part 2

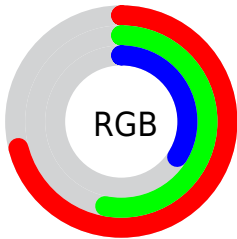
Format	Color
RYB	182, 182, 86
Decimal	11961942
CIELab	59.59, 12.71, 32.89
CIELCh	60, 35.258, 68.869
Yxy	27.6672, 0.4229, 0.3966
Android (android.graphics.Color)	4290152022 (0xFFB68656)
YUV	142.8800, -28.0418, 34.3082
Hunter-Lab	52.5996, 8.0478, 22.6286

Details

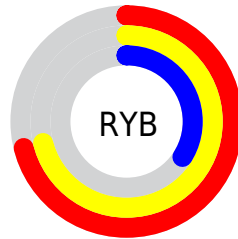
The XYZ color **29.4962, 27.6672, 12.5898** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.8059, 22.4050, 47.4837**, and the grayscale version is **26.1572, 27.5194, 29.9686**.

A 20% lighter version of the original color is **58.2209, 55.8721, 31.3827**, and **12.1407, 10.9228, 3.3879** is the 20% darker color. If you saturate the color by 10%, you get **27.6504, 25.0034, 8.8060**, and if you desaturate by 10%, it is **31.6383, 30.6248, 17.3941**.

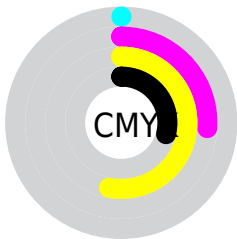
Distribution



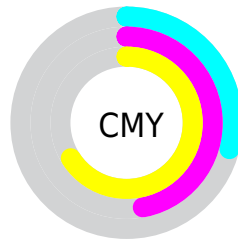
- Red (71%)
- Green (53%)
- Blue (34%)



- Red (71%)
- Yellow (71%)
- Blue (34%)



- Cyan (0%)
- Magenta (26%)
- Yellow (53%)
- Black (29%)





- Cyan (29%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4962, 27.6672, 12.5898 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 29.4962, 27.6672, 12.5898 by changing the saturation by 10% instead.


 29.4962, 27.6672,
12.5898


 29.4962, 27.6672,
12.5898


291.5012,
290.8732, 219.3865


 19.6027, 18.0749,
7.0193


 58.2566, 55.9527,
31.2452


 12.2131, 11.0038,
3.3955


 77.8543, 75.4147,
45.1671


 6.9622, 6.0694,
1.3000


 101.4173, 98.9354,
62.7099

 3.4846, 2.8873,
0.0618

 129.3111,
126.8992, 84.2922

 1.4149, 1.0732,
0.0000

 161.9011,
159.6905, 110.3325

 0.2668, 0.0000,
0.0000

199.5525,

 0.0000, 0.0000,

197.6936, 141.2492

0.0000

242.6307,
241.2931, 177.4610

■ 29.4962, 27.6672,
12.5898

■ 29.4962, 27.6672,
12.5898

■ 27.6504, 25.0034,
8.8060

■ 31.6383, 30.6248,
17.3941

■ 26.0816, 22.6182,
5.9639

■ 34.0903, 33.8827,
23.2863

■ 24.7712, 20.5006,
3.9757

■ 36.8672, 37.4518,
30.3299

■ 23.6964, 18.6369,
2.7360

■ 39.9822, 41.3416,
38.5830

■ 23.0331, 17.4286,
2.1501

■ 43.4479, 45.5607,
48.0998

■ 47.2760, 50.1175,
58.9311

■ 51.4778, 55.0202,
71.1249

■ 56.0641, 60.2764,
84.7269

■ 61.0449, 65.8937,
99.7804

Harmonies

Analogous

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



33.5196, 27.6672, 17.2389



29.4962, 27.6672, 12.5898



25.0025, 27.6672, 11.8492

Triad

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



29.4962, 27.6672, 12.5898



18.7314, 27.6672, 34.0539



32.0264, 27.6672, 53.4528

Complementary

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



29.4962, 27.6672, 12.5898



20.8059, 22.4050, 47.4837

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.



27.6352, 27.6672, 61.3157



29.4962, 27.6672, 12.5898



20.1942, 27.6672, 48.2207

Square

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



29.4962, 27.6672, 12.5898



19.1104, 27.6672, 22.1422



23.3376, 27.6672, 59.1702



35.0909, 27.6672, 39.8269

Rectangle

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



29.4962, 27.6672, 12.5898



22.3866, 27.6672, 13.3855



23.3376, 27.6672, 59.1702



30.6378, 27.6672, 57.0101

Sweetspot

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



29.4969, 27.6685, 12.5903



70.4260, 72.3996, 64.4210



26.9223, 18.3221, 24.6720



15.2980, 15.6704, 13.5469



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.4969, 27.6685, 12.5903



49.7267, 44.7320, 15.1906



37.6989, 44.0726, 15.3244



9.3656, 9.7342, 9.4922



16.3323, 12.4410, 1.5405



0.6377, 0.5624, 0.0749

Inverse Universe

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



20.8059, 22.4050, 47.4837



32.3065, 34.1817, 85.1307



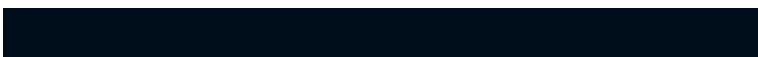
15.6093, 12.0117, 45.7515



8.8821, 9.4413, 11.4337



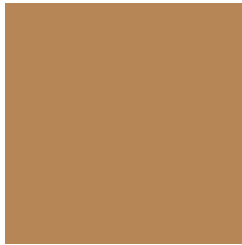
8.6706, 7.8009, 32.3018



0.3676, 0.3988, 1.1594

Previews

White Background



This preview shows how the XYZ color 29.4962, 27.6672, 12.5898 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 29.4962, 27.6672, 12.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

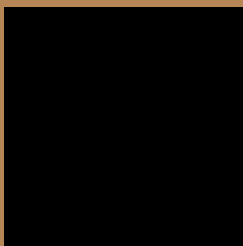
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4962, 27.6672, 12.5898

Background



This preview shows how black text looks on a background with the XYZ color 29.4962, 27.6672, 12.5898.



This preview shows how white text looks on a background with the XYZ color 29.4962, 27.6672,

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

29.4962, 27.6672, 12.5898

Protanopia

25.7233, 27.8528, 13.6932

Deuteranopia

28.2645, 27.6612, 12.4438



Tritanopia

32.4842, 27.6836, 27.2983

Trichromacy



Original Color

29.4962, 27.6672, 12.5898

Protanomaly

26.9071, 27.5844, 13.3574

Deuteranomaly

28.8039, 27.7292, 12.4285

Tritanomaly

31.2602, 27.5876, 20.8169

Monochromacy



Original Color

29.4962, 27.6672, 12.5898

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.7956, 27.3294, 22.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4962, 27.6672, 12.5898 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(182, 134, 86)` looks like.

```
.text, #text, p{  
    color:rgb(182, 134, 86)  
}
```

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(182, 134, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 134, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.4962, 27.6672, 12.5898 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(182, 134, 86) }
```


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

```
.border{ border-color:rgb(182, 134, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 134, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 134, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 134, 86);  
box-shadow:4px 4px 4px 4px rgb(182, 134,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4962, 27.6672, 12.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 134, 86) }
```

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

```
.background{ background-color: rgb(182,  
134, 86) }
```

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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