

Converting Colors

XYZ(29.8019, 30.1509, 13.7965)

Have a look what the booklet for
XYZ(29.8019, 30.1509, 13.7965)
contains.

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Color

**XYZ(29.8331, 30.2022,
13.7084)**

Conversions

Conversions Part 1

Format	Color
Hex	B09159
RGB	176, 145, 89
RGB Percent	69%, 57%, 35%
CMY	0.3098, 0.4314, 0.6510
CMYK	0.00, 0.18, 0.49, 0.31
HSL	39°, 36%, 52%
HSV	39°, 49%, 69%
XYZ	29.8331, 30.2022, 13.7084
YIQ	147.8850, 36.4520, -10.8440

Conversions

Conversions Part 2

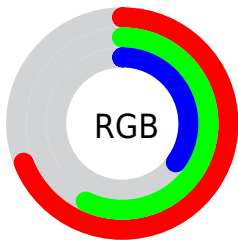
Format	Color
RYB	137, 176, 89
Decimal	11571545
CIELab	61.83, 4.33, 33.95
CIELCh	62, 34.223, 82.726
Yxy	30.2022, 0.4046, 0.4096
Android (android.graphics.Color)	4289761625 (0xFFB09159)
YUV	147.8850, -29.0303, 24.6569
Hunter-Lab	54.9565, 0.7246, 23.6802

Details

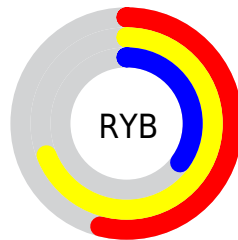
The XYZ color **29.8331, 30.2022, 13.7084** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.6725, 18.6907, 43.6978**, and the grayscale version is **28.2076, 29.6766, 32.3178**.

A 20% lighter version of the original color is **58.7613, 60.0639, 33.3074**, and **12.3776, 12.4095, 3.8407** is the 20% darker color. If you saturate the color by 10%, you get **28.2489, 28.0786, 9.9599**, and if you desaturate by 10%, it is **31.6483, 32.5051, 18.4063**.

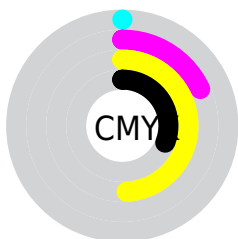
Distribution



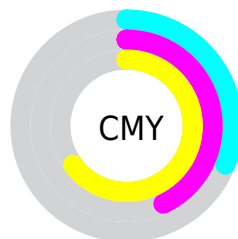
- Red (69%)
- Green (57%)
- Blue (35%)



- Red (54%)
- Yellow (69%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (49%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8331, 30.2022, 13.7084 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 29.8331, 30.2022, 13.7084 by changing the saturation by 10% instead.

■ 29.8331, 30.2022,
13.7084

■ 29.8331, 30.2022,
13.7084

293.0495,
302.8458, 226.7741

■ 19.8594, 19.9921,
7.7817

■ 58.7866, 59.9818,
33.2804

■ 12.4005, 12.3893,
3.8698

■ 78.4970, 80.3201,
47.7627

■ 7.0912, 7.0094,
1.5542

■ 102.1838,
104.8033, 65.9341

■ 3.5660, 3.4680,
0.2578

■ 130.2122,
133.8157, 88.2129

■ 1.4597, 1.3807,
0.0000

■ 162.9477,
167.7418, 115.0178

■ 0.2982, 0.2024,
0.0000

200.7554,

■ 0.0000, 0.0000,

206.9659, 146.7673

0.0000

244.0009,
251.8724, 183.8799

■ 29.8331, 30.2022,
13.7084

■ 29.8331, 30.2022,
13.7084

■ 28.2489, 28.0786,
9.9599

■ 31.6483, 32.5051,
18.4063

■ 26.8800, 26.1232,
7.0912

■ 33.7048, 34.9894,
24.1129

■ 25.7116, 24.3300,
5.0263

■ 36.0146, 37.6622,
30.8845

■ 24.7259, 22.6902,
3.6749

■ 38.5883, 40.5291,
38.7729

■ 23.8882, 21.1887,
2.8595

■ 41.4358, 43.5952,
47.8266

■ 23.8427, 21.1065,
2.8173

■ 44.5665, 46.8656,
58.0909

■ 47.9891, 50.3449,
69.6089

■ 51.7123, 54.0376,
82.4216

■ 55.7440, 57.9483,
96.5680

Harmonies

Analogous

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



34.3625, 30.2022, 16.6519



29.8331, 30.2022, 13.7084



25.4443, 30.2022, 14.7088

Triad

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



29.8331, 30.2022, 13.7084



21.3415, 30.2022, 43.5944



36.2801, 30.2022, 50.5980

Complementary

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



29.8331, 30.2022, 13.7084



18.6725, 18.6907, 43.6978

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.



32.2358, 30.2022, 61.9798



29.8331, 30.2022, 13.7084



23.7075, 30.2022, 57.2448

Square

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



29.8331, 30.2022, 13.7084



20.8437, 30.2022, 29.8010



27.6082, 30.2022, 64.6899



38.3326, 30.2022, 36.1748

Rectangle

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



29.8331, 30.2022, 13.7084



23.1485, 30.2022, 17.6484



27.6082, 30.2022, 64.6899



35.0892, 30.2022, 55.0475

Sweetspot

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



29.8338, 30.2036, 13.7090



67.2052, 70.4310, 61.7267



24.9221, 17.7532, 20.1705



14.3606, 15.0349, 12.7572



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.



29.8338, 30.2036, 13.7090



51.0741, 50.7034, 17.7069



32.7211, 39.7071, 15.3912



8.9373, 9.3870, 8.9934



17.5506, 15.5997, 2.0860



0.6048, 0.5961, 0.0832

Inverse Universe

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



18.6725, 18.6907, 43.6978



28.5617, 27.5160, 78.3011



16.7313, 13.0233, 42.7062



8.2815, 8.7092, 10.7509



7.0928, 4.9859, 30.7255



0.2795, 0.2696, 0.9855

Previews

White Background



This preview shows how the XYZ color 29.8331, 30.2022, 13.7084 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.8331, 30.2022, 13.7084 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 ✓ Pass

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

XYZ 29.8331, 30.2022, 13.7084

Background



This preview shows how black text looks on a background with the XYZ color 29.8331, 30.2022, 13.7084.



This preview shows how white text looks on a background with the XYZ color 29.8331, 30.2022,

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

29.8331, 30.2022, 13.7084

Protanopia

27.8989, 30.3546, 14.2861

Deuteranopia

30.6817, 30.1899, 13.6613



Tritanopia

33.7252, 30.2602, 32.0803

Trichromacy



Original Color

29.8331, 30.2022, 13.7084

Protanomaly

28.5838, 30.2428, 14.0038

Deuteranomaly

30.3668, 30.2515, 13.6898

Tritanomaly

32.1780, 30.2854, 24.2284

Monochromacy



Original Color

29.8331, 30.2022, 13.7084

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3650, 29.6688, 24.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8331, 30.2022, 13.7084 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(176, 145, 89)` looks like.

```
.text, #text, p{  
    color:rgb(176, 145, 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(176, 145, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 145, 89) }
```

Border

The CSS property to change the border of an element to XYZ 29.8331, 30.2022, 13.7084 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(176, 145, 89) }
```


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

```
.border{ border-color:rgb(176, 145, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 145, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 145, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 145, 89);  
box-shadow:4px 4px 4px 4px rgb(176, 145,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8331, 30.2022, 13.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 145, 89) }
```

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

```
.background{ background-color: rgb(176,  
145, 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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