

Converting Colors

XYZ(22.8768, 29.0041, 12.9869)

Have a look what the booklet for
XYZ(22.8768, 29.0041, 12.9869)
contains.

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Color

**XYZ(22.8768, 29.0041,
12.9869)**

Conversions

Conversions Part 1

Format	Color
Hex	849B55
RGB	132, 155, 85
RGB Percent	52%, 61%, 33%
CMY	0.4824, 0.3921, 0.6667
CMYK	0.15, 0.00, 0.45, 0.39
HSL	80°, 29%, 47%
HSV	80°, 45%, 61%
XYZ	22.8768, 29.0041, 12.9869
YIQ	140.1430, 8.7620, -26.6460

Conversions

Conversions Part 2

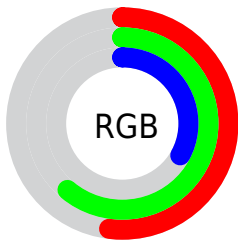
Format	Color
R_{YB}	85, 155, 108
Decimal	8690517
CIE _{Lab}	60.79, -19.95, 33.94
CIE _{LCh}	61, 39.369, 120.448
Yxy	29.0041, 0.3527, 0.4471
Android (android.graphics.Color)	4286880597 (0xFF849B55)
YUV	140.1430, -27.1855, -7.1414
Hunter-Lab	53.8555, -18.4236, 23.4014

Details

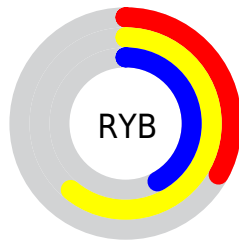
The XYZ color **22.8768, 29.0041, 12.9869** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3503, 12.0524, 32.5293**, and the grayscale version is **25.0835, 26.3898, 28.7385**.

A 20% lighter version of the original color is **47.4941, 57.8176, 31.9493**, and **8.6776, 11.7835, 3.5674** is the 20% darker color. If you saturate the color by 10%, you get **21.5503, 28.3847, 10.0551**, and if you desaturate by 10%, it is **24.3785, 29.7001, 16.6322**.

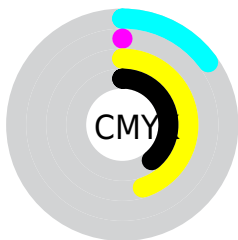
Distribution



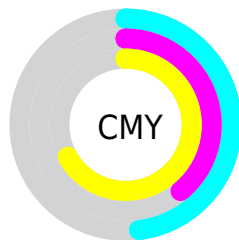
- Red (52%)
- Green (61%)
- Blue (33%)



- Red (33%)
- Yellow (61%)
- Blue (42%)



- Cyan (15%)
- Magenta (0%)
- Yellow (45%)
- Black (39%)



- Cyan (48%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8768, 29.0041, 12.9869 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 22.8768, 29.0041, 12.9869 by changing the saturation by 10% instead.

■ 22.8768, 29.0041,
12.9869

■ 22.8768, 29.0041,
12.9869

259.6388,
297.2343, 222.0386

■ 14.6228, 19.0839,
7.2889

■ 47.6591, 58.0836,
31.9711

■ 8.6396, 11.7309,
3.5623

■ 64.9181, 78.0117,
46.0944

■ 4.5621, 6.5607,
1.3884

■ 85.9094, 102.0446,
63.8631

■ 2.0248, 3.1889,
0.1327

■ 110.9984,
130.5666, 85.6960

■ 0.6478, 1.2312,
0.0000

■ 140.5505,
163.9622, 112.0114

■ 0.0000, 0.0869,
0.0000

174.9310,

■ 0.0000, 0.0000,

202.6158, 143.2279

0.0000

214.5053,
246.9117, 179.7641

■ 22.8768, 29.0041,
12.9869

■ 22.8768, 29.0041,
12.9869

■ 21.5503, 28.3847,
10.0551

■ 24.3785, 29.7001,
16.6322

■ 20.3875, 27.8342,
7.7882

■ 26.0620, 30.4723,
21.0319

■ 19.3785, 27.3496,
6.1340

■ 27.9360, 31.3253,
26.2259

■ 18.5112, 26.9261,
5.0322

■ 30.0078, 32.2622,
32.2507

■ 17.7704, 26.5573,
4.4048

■ 32.2846, 33.2858,
39.1408

■ 17.4388, 26.3911,
4.1749

■ 34.7729, 34.3988,
46.9285

■ 37.4791, 35.6038,
55.6444

■ 40.4092, 36.9032,
65.3179

■ 43.5691, 38.2995,
75.9769

Harmonies

Analogous

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



27.4906, 29.0041, 10.9550



22.8768, 29.0041, 12.9869



19.8648, 29.0041, 19.6234

Triad

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



22.8768, 29.0041, 12.9869



22.9947, 29.0041, 62.9757



38.6211, 29.0041, 31.3607

Complementary

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



22.8768, 29.0041, 12.9869



15.3503, 12.0524, 32.5293

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.



37.0412, 29.0041, 47.6137



22.8768, 29.0041, 12.9869



27.6446, 29.0041, 68.9612

Square

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



22.8768, 29.0041, 12.9869



19.9268, 29.0041, 48.1173



32.8593, 29.0041, 62.6272



36.9476, 29.0041, 19.3468

Rectangle

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



22.8768, 29.0041, 12.9869



18.9600, 29.0041, 27.1323



32.8593, 29.0041, 62.6272



38.4510, 29.0041, 36.4901

Sweetspot

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



22.8775, 29.0054, 12.9875



50.3429, 56.2404, 47.8627



20.4334, 18.1755, 11.0260



11.2333, 12.6564, 10.3746



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.8775, 29.0054, 12.9875



38.6165, 50.8428, 18.0571



18.3810, 26.6873, 12.7771



6.5115, 7.1212, 6.6372



14.0475, 21.2176, 3.3550



0.2479, 0.3367, 0.0519

Inverse Universe

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



15.3503, 12.0524, 32.5293



23.4453, 16.6300, 57.5105



20.3499, 14.6298, 32.7632



6.0662, 6.1200, 7.7905



5.8827, 2.4837, 25.0771



0.1235, 0.0555, 0.3766

Previews

White Background



This preview shows how the XYZ color 22.8768, 29.0041, 12.9869 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 22.8768, 29.0041, 12.9869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

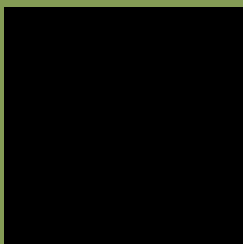
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8768, 29.0041, 12.9869

Background



This preview shows how black text looks on a background with the XYZ color 22.8768, 29.0041, 12.9869.



This preview shows how white text looks on a background with the XYZ color 22.8768, 29.0041,

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

22.8768, 29.0041, 12.9869

Protanopia

26.4998, 28.7440, 12.1341

Deuteranopia

29.3127, 28.8245, 13.4699



Tritanopia

27.7606, 29.0868, 36.4989

Trichromacy



Original Color

22.8768, 29.0041, 12.9869

Protanomaly

24.8865, 28.6035, 12.3930

Deuteranomaly

26.5848, 28.5324, 13.3387

Tritanomaly

25.4843, 28.8547, 25.6991

Monochromacy



Original Color

22.8768, 29.0041, 12.9869

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.8321, 26.9252, 21.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8768, 29.0041, 12.9869 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(132, 155, 85)` looks like.

```
.text, #text, p{  
    color:rgb(132, 155, 85)  
}
```

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(132, 155, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 155, 85) }
```

Border

The CSS property to change the border of an element to XYZ 22.8768, 29.0041, 12.9869 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(132, 155, 85) }
```


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

```
.border{ border-color:rgb(132, 155, 85) }
```

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

Here you see how a box with a 4 pixel rgb(132, 155, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 155, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 155, 85);  
box-shadow:4px 4px 4px 4px rgb(132, 155,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8768, 29.0041, 12.9869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 155, 85) }
```

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

```
.background{ background-color: rgb(132,  
155, 85) }
```

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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