

Converting Colors

XYZ(21.2899, 28.5117, 4.3812)

Have a look what the booklet for
XYZ(21.2899, 28.5117, 4.3812)
contains.

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Color

**XYZ(21.4042, 28.6825,
4.4082)**

Conversions

Conversions Part 1

Format	Color
Hex	849C00
RGB	132, 156, 0
RGB Percent	52%, 61%, 0%
CMY	0.4824, 0.3882, 0.9999
CMYK	0.15, 0.00, 1.00, 0.39
HSL	69°, 100%, 31%
HSV	69°, 100%, 61%
XYZ	21.4042, 28.6825, 4.4082
YIQ	131.0400, 35.7720, -53.6040

Conversions

Conversions Part 2

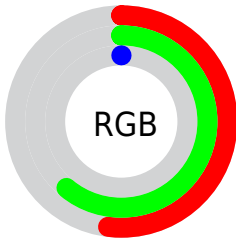
Format	Color
RYB	0, 156, 24
Decimal	8690688
CIELab	60.50, -25.54, 63.22
CIELCh	61, 68.188, 112.001
Yxy	28.6825, 0.3928, 0.5263
Android (android.graphics.Color)	4286880768 (0xFF849C00)
YUV	131.0400, -64.6027, 0.8419
Hunter-Lab	53.5560, -22.3838, 32.6091

Details

The XYZ color **21.4042, 28.6825, 4.4082** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3784, 2.5952, 31.6190**, and the grayscale version is **21.8037, 22.9392, 24.9808**.

A 20% lighter version of the original color is **45.2026, 57.3799, 14.8239**, and **8.1935, 11.7229, 1.8309** is the 20% darker color. If you saturate the color by 10%, you get **21.4044, 28.6836, 4.4084**, and if you desaturate by 10%, it is **21.8752, 28.9158, 4.9036**.

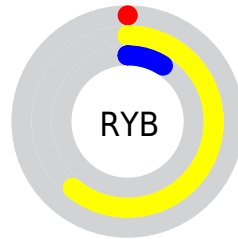
Distribution



Red (52%)

Green (61%)

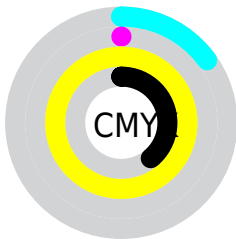
Blue (0%)



Red (0%)

Yellow (61%)

Blue (9%)

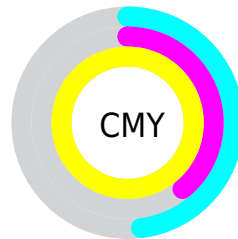


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (48%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4042, 28.6825, 4.4082 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 21.4042, 28.6825, 4.4082 by changing the saturation by 10% instead.

■ 21.4042, 28.6825,
4.4082

■ 21.4042, 28.6825,
4.4082

252.1101,
295.7139, 152.6599

■ 13.5339, 18.8408,
1.8518

■ 45.2455, 57.5723,
14.9408

■ 7.8767, 11.5553,
0.4618

■ 61.9472, 77.3891,
23.7540

■ 4.0673, 6.4416,
0.0000

■ 82.3235, 101.2997,
35.4900

■ 1.7403, 3.1154,
0.0000

■ 106.7396,
129.6886, 50.5673

■ 0.4813, 1.1923,
0.0000

■ 135.5610,
162.9400, 69.4044

■ 0.0000, 0.0554,
0.0000


■ 169.1530,


■ 0.0000, 0.0000,


201.4385, 92.4198


0.0000


 207.8809,
245.5683, 120.0321


 21.4042, 28.6825,
4.4082


 21.4042, 28.6825,
4.4082


 21.4044, 28.6836,
4.4084

 21.8752, 28.9158,
4.9036

 22.4232, 29.1799,
5.7617

 23.0797, 29.4884,
7.1453

 23.8573, 29.8463,
9.1211

 24.7670, 30.2581,
11.7459

■ 25.8183, 30.7276,
15.0701

■ 27.0199, 31.2583,
19.1389

■ 28.3798, 31.8532,
23.9937

■ 29.9052, 32.5155,
29.6730

Harmonies

Analogous

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



29.6837, 28.6825, 3.6306



21.4042, 28.6825, 4.4082



15.9882, 28.6825, 9.8946

Triad

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



21.4042, 28.6825, 4.4082



18.1190, 28.6825, 87.0604



47.6736, 28.6825, 38.4672

Complementary

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



21.4042, 28.6825, 4.4082



6.3784, 2.5952, 31.6190

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.



42.8791, 28.6825, 71.5480



21.4042, 28.6825, 4.4082



24.9754, 28.6825, 107.9415

Square

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



21.4042, 28.6825, 4.4082



14.3953, 28.6825, 53.1167



34.1012, 28.6825, 101.1052



46.1415, 28.6825, 16.3724

Rectangle

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



21.4042, 28.6825, 4.4082



14.1330, 28.6825, 18.5271



34.1012, 28.6825, 101.1052



46.7176, 28.6825, 48.7155

Sweetspot

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



21.4049, 28.6838, 4.4088



48.9335, 56.7094, 34.2742



14.0258, 7.6977, 0.7470



10.5743, 12.3934, 6.8785



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.



21.4049, 28.6838, 4.4088



38.7397, 52.0252, 8.0001



13.4436, 24.5796, 4.0362



7.0698, 7.6687, 7.0932



17.6531, 23.6372, 3.6320



0.3403, 0.4353, 0.0661

Inverse Universe

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



6.3784, 2.5952, 31.6190



11.4761, 4.6571, 57.4208



11.4139, 5.1911, 31.8547



6.3751, 6.4818, 8.3218



5.2731, 2.1474, 26.0438



0.1179, 0.0505, 0.4668

Previews

White Background



This preview shows how the XYZ color 21.4042, 28.6825, 4.4082 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 21.4042, 28.6825, 4.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

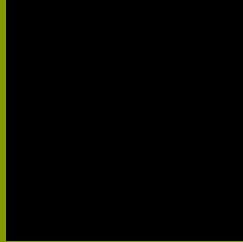
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4042, 28.6825, 4.4082

Background



This preview shows how black text looks on a background with the XYZ color 21.4042, 28.6825, 4.4082.



This preview shows how white text looks on a background with the XYZ color 21.4042, 28.6825,

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

21.4042, 28.6825, 4.4082

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

29.0535, 28.4464, 4.9963



Tritanopia

27.6277, 28.5804, 35.5129

Trichromacy



Original Color

21.4042, 28.6825, 4.4082

Protanomaly

23.8552, 28.4881, 4.2414

Deuteranomaly

25.7436, 28.2906, 4.6341

Tritanomaly

23.8148, 27.9712, 15.9482

Monochromacy



Original Color

21.4042, 28.6825, 4.4082

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.2995, 24.2060, 11.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4042, 28.6825, 4.4082 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, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 156, 0)  
}
```

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, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4042, 28.6825, 4.4082 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, 156, 0) }
```


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

```
.border{ border-color:rgb(132, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 156,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4042, 28.6825, 4.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 156, 0) }
```

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

```
.background{ background-color: rgb(132,  
156, 0) }
```

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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