

Converting Colors

XYZ(28.5386, 29.6513, 4.2191)

Have a look what the booklet for
XYZ(28.5386, 29.6513, 4.2191)
contains.

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Color

**XYZ(28.4855, 29.7158,
4.2344)**

Conversions

Conversions Part 1

Format	Color
Hex	B29100
RGB	178, 145, 0
RGB Percent	70%, 57%, 0%
CMY	0.3020, 0.4314, 1.0000
CMYK	0.00, 0.19, 1.00, 0.30
HSL	49°, 100%, 35%
HSV	49°, 100%, 70%
XYZ	28.4855, 29.7158, 4.2344
YIQ	138.3370, 66.2130, -38.0990

Conversions

Conversions Part 2

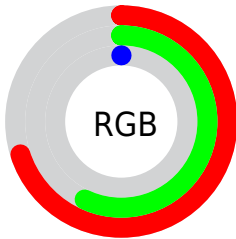
Format	Color
RYB	41, 178, 0
Decimal	11702528
CIELab	61.41, 0.95, 65.70
CIELCh	61, 65.709, 89.173
Yxy	29.7158, 0.4562, 0.4759
Android (android.graphics.Color)	4289892608 (0xFFB29100)
YUV	138.3370, -68.2001, 34.7845
Hunter-Lab	54.5122, -2.1207, 33.5530

Details

The XYZ color **28.4855, 29.7158, 4.2344** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.5800, 4.3025, 42.4973**, and the grayscale version is **24.5226, 25.7997, 28.0959**.

A 20% lighter version of the original color is **56.6237, 59.0332, 14.5410**, and **11.8379, 12.1775, 1.7266** is the 20% darker color. If you saturate the color by 10%, you get **28.4857, 29.7165, 4.2345**, and if you desaturate by 10%, it is **29.1053, 30.7835, 4.9720**.

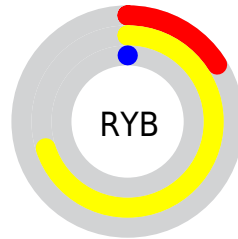
Distribution



Red (70%)

Green (57%)

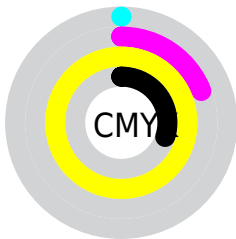
Blue (0%)



Red (16%)

Yellow (70%)

Blue (0%)

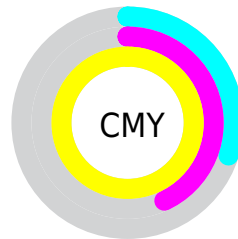


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4855, 29.7158, 4.2344 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 28.4855, 29.7158, 4.2344 by changing the saturation by 10% instead.

■ 28.4855, 29.7158,
4.2344

■ 28.4855, 29.7158,
4.2344

286.8178,
300.5775, 150.7961

■ 18.8343, 19.6230,
1.7548

■ 56.6619, 59.2124,
14.5468

■ 11.6539, 12.1213,
0.3979

■ 75.9177, 79.3850,
23.2168

■ 6.5790, 6.8263,
0.0000

■ 99.1059, 103.6864,
34.7872

■ 3.2442, 3.3537,
0.0000

■ 126.5916,
132.5008, 49.6767

■ 1.2842, 1.3191,
0.0000

■ 158.7403,
166.2127, 68.3038


■ 0.1713, 0.1559,
0.0000


■ 195.9173,


■ 0.0000, 0.0000,


205.2065, 91.0871


0.0000


 238.4880,
249.8667, 118.4450


 28.4855, 29.7158,
4.2344


 28.4855, 29.7158,
4.2344


 28.4857, 29.7165,
4.2345

 29.1053, 30.7835,
4.9720

 29.8366, 31.9182,
6.2265

 30.7174, 33.1365,
8.1951

 31.7657, 34.4458,
10.9715

 32.9966, 35.8524,
14.6350

■ 34.4235, 37.3617,
19.2554

■ 36.0584, 38.9788,
24.8955

■ 37.9124, 40.7083,
31.6129

■ 39.9957, 42.5544,
39.4608

Harmonies

Analogous

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



37.6871, 29.7158, 6.2225



28.4855, 29.7158, 4.2344



20.8658, 29.7158, 5.9955

Triad

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



28.4855, 29.7158, 4.2344



16.0356, 29.7158, 61.6884



45.1332, 29.7158, 63.5436

Complementary

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



28.4855, 29.7158, 4.2344



8.5800, 4.3025, 42.4973

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.



37.1838, 29.7158, 94.5921



28.4855, 29.7158, 4.2344



20.5268, 29.7158, 93.1889

Square

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



28.4855, 29.7158, 4.2344



14.6288, 29.7158, 31.6706



28.0038, 29.7158, 107.5247



48.4303, 29.7158, 33.0501

Rectangle

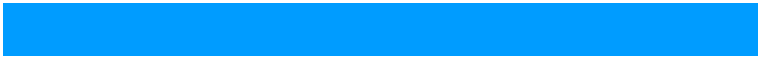
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.4855, 29.7158, 4.2344



17.4054, 29.7158, 10.0894



28.0038, 29.7158, 107.5247



42.8458, 29.7158, 74.7353

Sweetspot

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



28.4862, 29.7173, 4.2350



65.2247, 70.5271, 44.5609



18.6726, 9.5902, 2.5049



14.1681, 15.3500, 8.8856



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.4862, 29.7173, 4.2350



51.4998, 53.5739, 7.6265



24.3200, 36.1707, 5.7002



9.0605, 9.6335, 9.0344



20.4247, 21.3480, 3.0441



0.6774, 0.7411, 0.1073

Inverse Universe

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



8.5800, 4.3025, 42.4973



15.4371, 7.5580, 77.0264



9.5257, 3.9826, 42.3858



8.1652, 8.4766, 10.7121



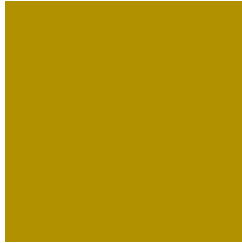
6.1737, 3.1477, 30.4192



0.2322, 0.1750, 0.9698

Previews

White Background



This preview shows how the XYZ color 28.4855, 29.7158, 4.2344 looks on a white background.

Color Contrast Check

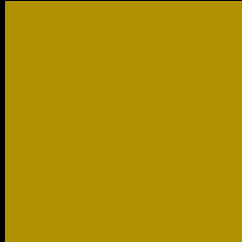
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4855, 29.7158, 4.2344 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 28.4855, 29.7158, 4.2344

Background



This preview shows how black text looks on a background with the XYZ color 28.4855, 29.7158, 4.2344.



This preview shows how white text looks on a background with the XYZ color 28.4855, 29.7158,

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

28.4855, 29.7158, 4.2344

Protanopia

26.9342, 29.8351, 4.5402

Deuteranopia

30.3432, 29.7728, 4.5629



Tritanopia

34.0245, 29.8114, 30.7489

Trichromacy



Original Color

28.4855, 29.7158, 4.2344

Protanomaly

27.6251, 29.9592, 4.4416

Deuteranomaly

29.4895, 29.5561, 4.4091

Tritanomaly

30.6928, 29.3052, 14.1640

Monochromacy



Original Color

28.4855, 29.7158, 4.2344

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.4232, 26.5266, 13.0654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4855, 29.7158, 4.2344 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(178, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 145, 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(178, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.4855, 29.7158, 4.2344 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(178, 145, 0) }
```


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

```
.border{ border-color:rgb(178, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4855, 29.7158, 4.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 145, 0) }
```

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

```
.background{ background-color: rgb(178,  
145, 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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