

Converting Colors

XYZ(27.7355, 29.7566, 4.2817)

Have a look what the booklet for
XYZ(27.7355, 29.7566, 4.2817)
contains.

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Color

**XYZ(27.6673, 29.7517,
4.2844)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9300
RGB	173, 147, 0
RGB Percent	68%, 58%, 0%
CMY	0.3216, 0.4235, 1.0000
CMYK	0.00, 0.15, 1.00, 0.32
HSL	51°, 100%, 34%
HSV	51°, 100%, 68%
XYZ	27.6673, 29.7517, 4.2844
YIQ	138.0160, 62.6830, -40.2050

Conversions

Conversions Part 2

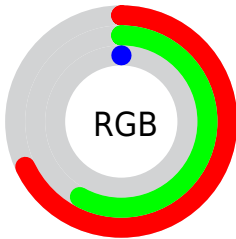
Format	Color
R_{YB}	31, 173, 0
Decimal	11375360
CIE Lab	61.44, -2.42, 65.49
CIE LCh	61, 65.535, 92.117
Yxy	29.7517, 0.4484, 0.4822
Android (android.graphics.Color)	4289565440 (0xFFAD9300)
YUV	138.0160, -68.0419, 30.6810
Hunter-Lab	54.5451, -4.9122, 33.5245

Details

The XYZ color **27.6673, 29.7517, 4.2844** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9124, 3.7562, 39.8428**, and the grayscale version is **24.3996, 25.6703, 27.9549**.

A 20% lighter version of the original color is **55.3351, 59.3970, 14.6792**, and **11.4772, 12.2624, 1.7620** is the 20% darker color. If you saturate the color by 10%, you get **27.6677, 29.7526, 4.2846**, and if you desaturate by 10%, it is **28.1804, 30.6123, 4.9667**.

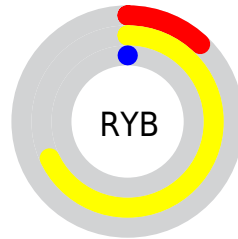
Distribution



Red (68%)

Green (58%)

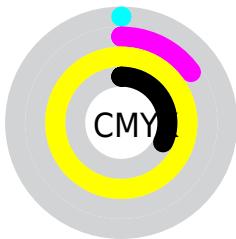
Blue (0%)



Red (12%)

Yellow (68%)

Blue (0%)

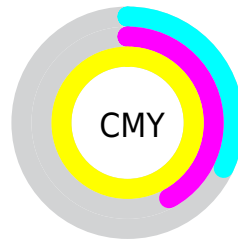


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6673, 29.7517, 4.2844 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 27.6673, 29.7517, 4.2844 by changing the saturation by 10% instead.

■ 27.6673, 29.7517,
4.2844

■ 27.6673, 29.7517,
4.2844

282.9827,
300.7454, 151.3359

■ 18.2142, 19.6502,
1.7826

■ 55.3652, 59.2693,
14.6605

■ 11.2045, 12.1410,
0.4165

■ 74.3407, 79.4542,
23.3720

■ 6.2729, 6.8398,
0.0000

■ 97.2210, 103.7689,
34.9904

■ 3.0539, 3.3621,
0.0000

■ 124.3716,
132.5980, 49.9343

■ 1.1823, 1.3236,
0.0000

■ 156.1576,
166.3258, 68.6223


■ 0.0924, 0.1593,
0.0000


■ 192.9446,


■ 0.0000, 0.0000,

205.3367, 91.4728


0.0000


 235.0979,
250.0151, 118.9045


 27.6673, 29.7517,
4.2844


 27.6673, 29.7517,
4.2844


 27.6677, 29.7526,
4.2846

 28.1804, 30.6123,
4.9667

 28.7924, 31.5260,
6.1276

 29.5400, 32.5087,
7.9562

 30.4395, 33.5671,
10.5393

 31.5051, 34.7069,
13.9510

■ 32.7492, 35.9332,
18.2560

■ 34.1830, 37.2506,
23.5131

■ 35.8167, 38.6632,
29.7758

■ 37.6598, 40.1748,
37.0937

Harmonies

Analogous

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



36.8047, 29.7517, 5.8783



27.6673, 29.7517, 4.2844



20.3151, 29.7517, 6.4614

Triad

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



27.6673, 29.7517, 4.2844



16.3868, 29.7517, 64.9487



45.7032, 29.7517, 60.2159

Complementary

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



27.6673, 29.7517, 4.2844



7.9124, 3.7562, 39.8428

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.



38.0897, 29.7517, 91.9197



27.6673, 29.7517, 4.2844



21.1819, 29.7517, 95.4967

Square

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



27.6673, 29.7517, 4.2844



14.6856, 29.7517, 34.1887



28.8978, 29.7517, 107.2686



48.4021, 29.7517, 30.6643

Rectangle

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



27.6673, 29.7517, 4.2844



17.0640, 29.7517, 11.0447



28.8978, 29.7517, 107.2686



43.5665, 29.7517, 71.4013

Sweetspot

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



27.6680, 29.7531, 4.2850



61.0758, 66.5854, 41.5673



17.4534, 8.9723, 1.9641



13.0385, 14.2582, 8.1630



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.6680, 29.7531, 4.2850



49.4257, 53.0335, 7.6315



22.0581, 33.5546, 5.3144



8.5586, 9.1220, 8.5230



20.3593, 21.9241, 3.1587



0.5937, 0.6645, 0.0970

Inverse Universe

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



7.9124, 3.7562, 39.8428



14.0729, 6.5317, 71.3248



9.2689, 3.9071, 39.8004



7.6725, 7.9443, 10.0817



5.8400, 2.8139, 29.2798



0.1916, 0.1365, 0.8242

Previews

White Background



This preview shows how the XYZ color 27.6673, 29.7517, 4.2844 looks on a white background.

Color Contrast Check

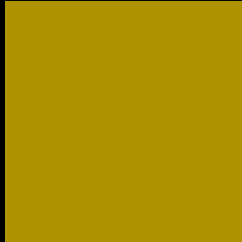
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6673, 29.7517, 4.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

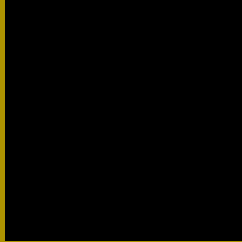
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6673, 29.7517, 4.2844

Background



This preview shows how black text looks on a background with the XYZ color 27.6673, 29.7517, 4.2844.



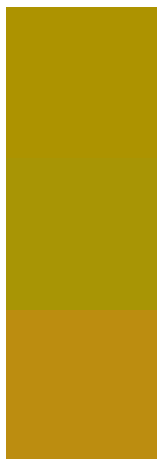
This preview shows how white text looks on a background with the XYZ color 27.6673, 29.7517,

4.2844.

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

27.6673, 29.7517, 4.2844

Protanopia

26.9233, 29.8307, 4.4825

Deuteranopia

30.3574, 29.7785, 4.6380



Tritanopia

33.2682, 29.8217, 31.6065

Trichromacy



Original Color

27.6673, 29.7517, 4.2844

Protanomaly

27.1839, 29.7324, 4.3923

Deuteranomaly

29.4057, 29.7341, 4.4766

Tritanomaly

29.9054, 29.3229, 14.6734

Monochromacy



Original Color

27.6673, 29.7517, 4.2844

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.0488, 26.3336, 13.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6673, 29.7517, 4.2844 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(173, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 147, 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(173, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.6673, 29.7517, 4.2844 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(173, 147, 0) }
```


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

```
.border{ border-color:rgb(173, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 147,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6673, 29.7517, 4.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 147, 0) }
```

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

```
.background{ background-color: rgb(173,  
147, 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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