

Converting Colors

XYZ(24.0671, 29.8983, 3.2725)

Have a look what the booklet for
XYZ(24.0671, 29.8983, 3.2725)
contains.

XYZ(24.2990, 29.9267, 4.4957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2990, 29.9267,
4.4957)**

Conversions

Conversions Part 1

Format	Color
Hex	969B00
RGB	150, 155, 0
RGB Percent	59%, 61%, 0%
CMY	0.4118, 0.3921, 1.0000
CMYK	0.03, 0.00, 1.00, 0.39
HSL	62°, 100%, 30%
HSV	62°, 100%, 61%
XYZ	24.2990, 29.9267, 4.4957
YIQ	135.8350, 46.7750, -49.2650

Conversions

Conversions Part 2

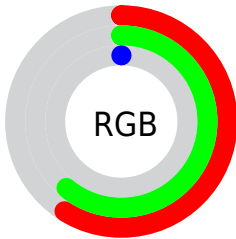
Format	Color
RYB	0, 155, 5
Decimal	9870080
CIELab	61.59, -17.11, 64.65
CIELCh	62, 66.876, 104.821
Yxy	29.9267, 0.4138, 0.5096
Android (android.graphics.Color)	4288060160 (0xFF969B00)
YUV	135.8350, -66.9667, 12.4227
Hunter-Lab	54.7053, -16.4481, 33.4212

Details

The XYZ color **24.2990, 29.9267, 4.4957** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.9797, 2.3993, 31.1602**, and the grayscale version is **23.5716, 24.7992, 27.0063**.

A 20% lighter version of the original color is **50.0155, 59.4919, 15.1503**, and **9.6696, 12.3335, 1.8710** is the 20% darker color. If you saturate the color by 10%, you get **24.2995, 29.9280, 4.4960**, and if you desaturate by 10%, it is **24.4818, 30.0116, 4.9738**.

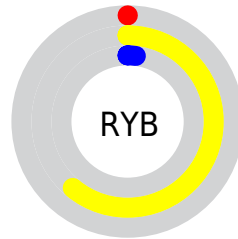
Distribution



Red (59%)

Green (61%)

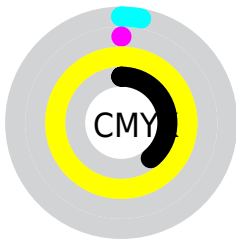
Blue (0%)



Red (0%)

Yellow (61%)

Blue (2%)

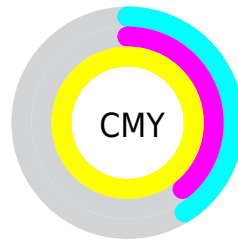


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (41%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2990, 29.9267, 4.4957 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 24.2990, 29.9267, 4.4957 by changing the saturation by 10% instead.

■ 24.2990, 29.9267,
4.4957

■ 24.2990, 29.9267,
4.4957

266.7412,
301.5626, 153.5853

■ 15.6815, 19.7830,
1.9010

■ 49.9688, 59.5462,
15.1378

■ 9.3885, 12.2374,
0.4934

■ 67.7518, 79.7908,
24.0222

■ 5.0546, 6.9056,
0.0000

■ 89.3208, 104.1712,
35.8404

■ 2.3144, 3.4031,
0.0000

■ 115.0409,
133.0716, 51.0108

■ 0.8020, 1.3456,
0.0000

■ 145.2777,
166.8766, 69.9519


■ 0.0000, 0.1761,
0.0000


■ 180.3964,


■ 0.0000, 0.0000,


205.9705, 93.0823


0.0000


 220.7625,
250.7377, 120.8206


 24.2990, 29.9267,
4.4957


 24.2990, 29.9267,
4.4957


 24.2995, 29.9280,
4.4960

 24.4818, 30.0116,
4.9738

 24.7321, 30.1224,
5.8079

 25.0810, 30.2728,
7.1594

 25.5411, 30.4676,
9.0941

 26.1229, 30.7112,
11.6677

■ 26.8358, 31.0072,
14.9299

■ 27.6883, 31.3592,
18.9250

■ 28.6882, 31.7701,
23.6941

■ 29.8426, 32.2429,
29.2748

Harmonies

Analogous

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



33.1502, 29.9267, 4.5168



24.2990, 29.9267, 4.4957



18.0322, 29.9267, 8.7605

Triad

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



24.2990, 29.9267, 4.4957



17.9766, 29.9267, 80.5968



48.2952, 29.9267, 47.1284

Complementary

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



24.2990, 29.9267, 4.4957



5.9797, 2.3993, 31.1602

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.



42.2475, 29.9267, 80.9920



24.2990, 29.9267, 4.4957



24.2065, 29.9267, 106.1633

Square

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



24.2990, 29.9267, 4.4957



14.9320, 29.9267, 46.7525



33.0364, 29.9267, 106.3369



48.3345, 29.9267, 21.6148

Rectangle

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



24.2990, 29.9267, 4.4957



15.6281, 29.9267, 15.9026



33.0364, 29.9267, 106.3369



46.8497, 29.9267, 58.1113

Sweetspot

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



24.2997, 29.9281, 4.4963



49.4862, 56.1174, 33.4287



13.5466, 7.0253, 0.6424



11.0597, 12.6436, 6.9012



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.



24.2997, 29.9281, 4.4963



43.4832, 53.5782, 8.0498



14.6179, 24.9369, 4.0432



6.6892, 7.2127, 6.6455



19.5228, 24.0402, 3.6113



0.2971, 0.3621, 0.0542

Inverse Universe

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



5.9797, 2.3993, 31.1602



10.6771, 4.2802, 55.7997



9.2329, 4.0764, 31.3124



5.9020, 6.0354, 7.7828



4.8088, 1.9301, 25.0268



0.0762, 0.0311, 0.3744

Previews

White Background



This preview shows how the XYZ color 24.2990, 29.9267, 4.4957 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 24.2990, 29.9267, 4.4957 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 24.2990, 29.9267, 4.4957

Background



This preview shows how black text looks on a background with the XYZ color 24.2990, 29.9267, 4.4957.



This preview shows how white text looks on a background with the XYZ color 24.2990, 29.9267,

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

24.2990, 29.9267, 4.4957

Protanopia

26.8959, 29.8197, 4.3382

Deuteranopia

30.4288, 29.8071, 5.0137



Tritanopia

30.5876, 29.8901, 35.1676

Trichromacy



Original Color

24.2990, 29.9267, 4.4957

Protanomaly

25.7646, 29.7103, 4.3767

Deuteranomaly

27.8207, 29.5909, 4.6973

Tritanomaly

26.7467, 29.2488, 16.0403

Monochromacy



Original Color

24.2990, 29.9267, 4.4957

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5273, 25.9958, 12.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2990, 29.9267, 4.4957 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(150, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 155, 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(150, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2990, 29.9267, 4.4957 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(150, 155, 0) }
```


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

```
.border{ border-color:rgb(150, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2990, 29.9267, 4.4957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 155, 0) }
```

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

```
.background{ background-color: rgb(150,  
155, 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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