

Converting Colors

XYZ(24.7885, 30.9548, 4.6684)

Have a look what the booklet for
XYZ(24.7885, 30.9548, 4.6684)
contains.

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Color

**XYZ(24.8045, 30.9377,
4.6642)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 969E00 |
| RGB | 150, 158, 0 |
| RGB Percent | 59%, 62%, 0% |
| CMY | 0.4118, 0.3804, 1.0000 |
| CMYK | 0.05, 0.00, 1.00, 0.38 |
| HSL | 63°, 100%, 31% |
| HSV | 63°, 100%, 62% |
| XYZ | 24.8045, 30.9377, 4.6642 |
| YIQ | 137.5960, 45.9500, -50.8340 |

Conversions

Conversions Part 2

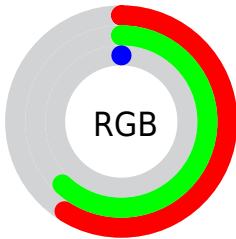
| Format | Color |
|-------------------------------------|---|
| RYB | 0, 158, 8 |
| Decimal | 9870848 |
| CIELab | 62.46, -18.65, 65.29 |
| CIELCh | 62, 67.899, 105.939 |
| Yxy | 30.9377, 0.4106, 0.5122 |
| Android (android.graphics.Color) | 4288060928 (0xFF969E00) |
| YUV | 137.5960, -67.8348, 10.8783 |
| Hunter-Lab | 55.6217, -17.7358, 33.9634 |

Details

The XYZ color **24.8045, 30.9377, 4.6642** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.2724, 2.5208, 32.5056**, and the grayscale version is **24.2425, 25.5050, 27.7750**.

A 20% lighter version of the original color is **50.7919, 60.9913, 15.5740**, and **9.9770, 12.9483, 1.9734** is the 20% darker color. If you saturate the color by 10%, you get **24.8050, 30.9390, 4.6645**, and if you desaturate by 10%, it is **25.0451, 31.0522, 5.1566**.

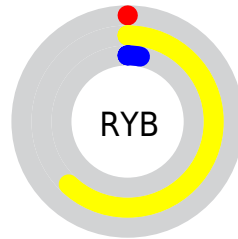
Distribution



Red (59%)

Green (62%)

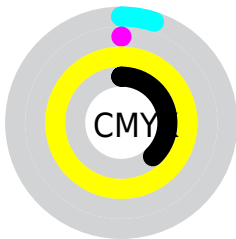
Blue (0%)



Red (0%)

Yellow (62%)

Blue (3%)

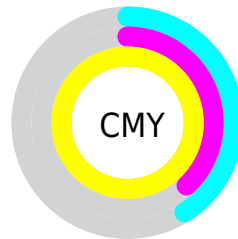


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (41%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8045, 30.9377, 4.6642 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 24.8045, 30.9377, 4.6642 by changing the saturation by 10% instead.


 24.8045, 30.9377,
4.6642

 24.8045, 30.9377,
4.6642


269.2286,
306.2512, 155.3443


 16.0594, 20.5514,
1.9964

 50.7851, 61.1420,
15.5147


 9.6573, 12.7965,
0.5530


 68.7513, 81.7287,
24.5345

 5.2329, 7.2886,
0.0000


 90.5219, 106.4845,
36.5087

 2.4207, 3.6432,
0.0000

 116.4622,
135.7935, 51.8558

 0.8554, 1.4761,
0.0000

 146.9378,
170.0404, 70.9944

 0.0000, 0.2718,
0.0000

 182.3137,

 0.0000, 0.0000,

209.6093, 94.3429

0.0000

222.9556,
254.8848, 122.3201

24.8045, 30.9377,
4.6642

24.8045, 30.9377,
4.6642

24.8050, 30.9390,
4.6645

25.0451, 31.0522,
5.1566

25.3573, 31.1942,
6.0237

25.7731, 31.3779,
7.4314

26.3057, 31.6084,
9.4486

26.9662, 31.8901,
12.1340

■ 27.7644, 32.2270,
15.5395

■ 28.7093, 32.6228,
19.7118

■ 29.8089, 33.0805,
24.6937

■ 31.0708, 33.6033,
30.5249

Harmonies

Analogous

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



33.9219, 30.9377, 4.5499



24.8045, 30.9377, 4.6642



18.4254, 30.9377, 9.2907

Triad

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



24.8045, 30.9377, 4.6642



18.7277, 30.9377, 84.8680



50.1507, 30.9377, 47.5740

Complementary

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



24.8045, 30.9377, 4.6642



6.2724, 2.5208, 32.5056

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.



44.0583, 30.9377, 82.7091



24.8045, 30.9377, 4.6642



25.3086, 30.9377, 110.7414

Square

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



24.8045, 30.9377, 4.6642



15.4505, 30.9377, 49.6249



34.5426, 30.9377, 109.7925



49.9364, 30.9377, 21.5874

Rectangle

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



24.8045, 30.9377, 4.6642



16.0160, 30.9377, 16.9481



34.5426, 30.9377, 109.7925



48.7251, 30.9377, 58.8886

Sweetspot

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



24.8052, 30.9391, 4.6648



52.0234, 59.1937, 35.3042



14.1873, 7.4413, 0.6889



11.5690, 13.2784, 7.2496



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.8052, 30.9391, 4.6648



44.9910, 56.1551, 8.4677



14.8342, 25.7989, 4.1982



7.1369, 7.7032, 7.0964



19.8753, 24.7828, 3.7360



0.3644, 0.4478, 0.0672

Inverse Universe

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



6.2724, 2.5208, 32.5056



11.3386, 4.5506, 59.0242



10.0939, 4.4908, 32.6844



6.3143, 6.4505, 8.3190



5.0333, 2.0238, 26.0326



0.0981, 0.0404, 0.4658

Previews

White Background



This preview shows how the XYZ color 24.8045, 30.9377, 4.6642 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.8045, 30.9377, 4.6642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

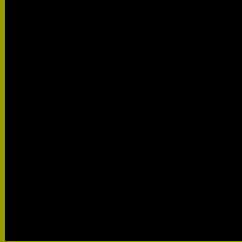
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8045, 30.9377, 4.6642

Background



This preview shows how black text looks on a background with the XYZ color 24.8045, 30.9377, 4.6642.



This preview shows how white text looks on a background with the XYZ color 24.8045, 30.9377,

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

24.8045, 30.9377, 4.6642

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.2331, 30.6623, 5.1919



Tritanopia

31.3032, 30.9131, 36.6647

Trichromacy



Original Color

24.8045, 30.9377, 4.6642

Protanomaly

26.6599, 30.8977, 4.5587

Deuteranomaly

28.3626, 30.3312, 4.8498

Tritanomaly

27.3202, 30.2409, 16.7091

Monochromacy



Original Color

24.8045, 30.9377, 4.6642

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.0422, 26.7062, 13.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8045, 30.9377, 4.6642 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, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 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, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.8045, 30.9377, 4.6642 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, 158, 0) }
```


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

```
.border{ border-color:rgb(150, 158, 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, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8045, 30.9377, 4.6642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 158, 0) }
```

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

```
.background{ background-color: rgb(150,  
158, 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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