

Converting Colors

XYZ(24.8723, 34.3229, 14.9474)

Have a look what the booklet for
XYZ(24.8723, 34.3229, 14.9474)
contains.

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Color

**XYZ(24.8658, 34.2240,
14.9682)**

Conversions

Conversions Part 1

Format	Color
Hex	7DAB5A
RGB	125, 171, 90
RGB Percent	49%, 67%, 35%
CMY	0.5098, 0.3294, 0.6470
CMYK	0.27, 0.00, 0.47, 0.33
HSL	94°, 33%, 51%
HSV	94°, 47%, 67%
XYZ	24.8658, 34.2240, 14.9682
YIQ	148.0120, -1.4150, -34.9430

Conversions

Conversions Part 2

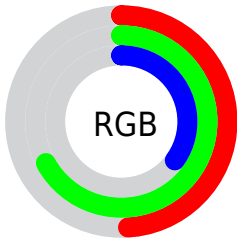
Format	Color
RYB	90, 171, 136
Decimal	8235866
CIELab	65.14, -29.96, 36.68
CIELCh	65, 47.355, 129.241
Yxy	34.2240, 0.3358, 0.4621
Android (android.graphics.Color)	4286425946 (0xFF7DAB5A)
YUV	148.0120, -28.5999, -20.1815
Hunter-Lab	58.5013, -26.5063, 25.7809

Details

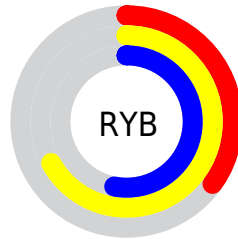
The XYZ color **24.8658, 34.2240, 14.9682** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.1618, 15.4879, 40.4041**, and the grayscale version is **28.2701, 29.7423, 32.3894**.

A 20% lighter version of the original color is **50.9420, 66.4749, 35.7372**, and **9.6263, 14.5334, 4.3957** is the 20% darker color. If you saturate the color by 10%, you get **22.8711, 33.2714, 11.5029**, and if you desaturate by 10%, it is **27.1683, 35.3180, 19.3234**.

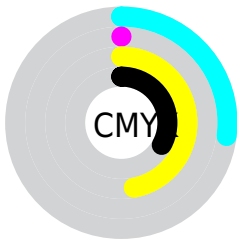
Distribution



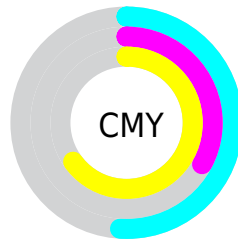
- Red (49%)
- Green (67%)
- Blue (35%)



- Red (35%)
- Yellow (67%)
- Blue (53%)



- Cyan (27%)
- Magenta (0%)
- Yellow (47%)
- Black (33%)





- Cyan (51%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8658, 34.2240, 14.9682 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 24.8658, 34.2240, 14.9682 by changing the saturation by 10% instead.


 24.8658, 34.2240,
14.9682


 24.8658, 34.2240,
14.9682


269.5289,
321.1297, 234.8078


 16.1053, 23.0657,
8.6507


 50.8839, 66.2819,
35.5389


 9.6900, 14.6421,
4.4204


 68.8722, 87.9502,
50.6292

 5.2546, 8.5686,
1.8587


 90.6671, 113.8908,
69.4808

 2.4337, 4.4609,
0.4662

 116.6341,
144.4879, 92.5123

 0.8619, 1.9346,
0.0000

147.1384,
180.1259, 120.1422

 0.0000, 0.5690,
0.0000

182.5454,

 0.0000, 0.0000,

221.1893, 152.7890

0.0000

223.2204,
268.0624, 190.8714

■ 24.8658, 34.2240,
14.9682

■ 24.8658, 34.2240,
14.9682

■ 22.8711, 33.2714,
11.5029

■ 27.1683, 35.3180,
19.3234

■ 21.1662, 32.4491,
8.8637

■ 29.7904, 36.5552,
24.6219

■ 19.7345, 31.7512,
6.9821


■ 32.7463, 37.9428,
30.9156


■ 18.5564, 31.1693,
5.7773


■ 36.0485, 39.4862,
38.2520

■ 17.6039, 30.6917,
5.1255


■ 39.7088, 41.1905,
46.6753

 17.3788, 30.5785,
4.9863

 43.7384, 43.0606,
56.2274

 48.1480, 45.1011,
66.9480

 52.9478, 47.3164,
78.8747

 58.1476, 49.7110,
92.0435

Harmonies

Analogous

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



30.4527, 34.2240, 11.0028



24.8658, 34.2240, 14.9682



21.6717, 34.2240, 25.3966

Triad

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



24.8658, 34.2240, 14.9682



28.0669, 34.2240, 85.0314



47.3912, 34.2240, 31.5113

Complementary

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



24.8658, 34.2240, 14.9682



21.1618, 15.4879, 40.4041

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.



46.5147, 34.2240, 52.3499



24.8658, 34.2240, 14.9682



34.6974, 34.2240, 88.4837

Square

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



24.8658, 34.2240, 14.9682



23.3310, 34.2240, 66.6943



41.6238, 34.2240, 74.9271



43.8730, 34.2240, 18.0859

Rectangle

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



24.8658, 34.2240, 14.9682



21.0248, 34.2240, 36.7654



41.6238, 34.2240, 74.9271



47.6105, 34.2240, 37.7673

Sweetspot

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



24.8666, 34.2255, 14.9689



60.4220, 68.7824, 59.2615



27.4315, 26.9777, 13.4348



13.2057, 15.2130, 12.6256



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.



24.8666, 34.2255, 14.9689



40.7485, 59.4834, 20.2547



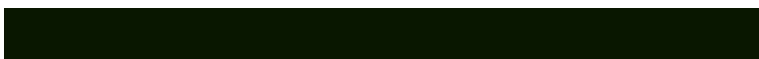
20.8642, 32.1346, 16.0256



8.2204, 9.1022, 8.5370



13.1585, 23.0805, 3.7615



0.4295, 0.6748, 0.1076

Inverse Universe

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



21.1618, 15.4879, 40.4041



33.2742, 21.7606, 71.4483



27.2984, 18.7097, 38.0587



7.9978, 7.9732, 10.0701



9.3283, 4.1688, 29.3575



0.3206, 0.1475, 0.8196

Previews

White Background



This preview shows how the XYZ color 24.8658, 34.2240, 14.9682 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 24.8658, 34.2240, 14.9682 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 24.8658, 34.2240, 14.9682

Background



This preview shows how black text looks on a background with the XYZ color 24.8658, 34.2240, 14.9682.



This preview shows how white text looks on a background with the XYZ color 24.8658, 34.2240,

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

24.8658, 34.2240, 14.9682

Protanopia

31.1001, 33.9938, 13.5166

Deuteranopia

34.4578, 33.7153, 15.5181



Tritanopia

31.0415, 34.2999, 45.0289

Trichromacy



Original Color

24.8658, 34.2240, 14.9682

Protanomaly

28.5278, 33.9504, 14.0663

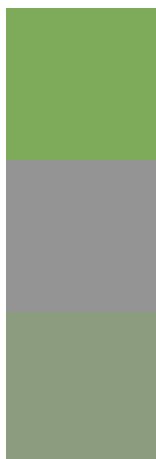
Deuteranomaly

30.1390, 33.4595, 15.2258

Tritanomaly

28.0859, 33.8800, 31.0458

Monochromacy



Original Color

24.8658, 34.2240, 14.9682

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.5344, 30.8847, 24.6415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8658, 34.2240, 14.9682 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(125, 171, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 90)  
}
```

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(125, 171, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.8658, 34.2240, 14.9682 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(125, 171, 90) }
```


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

```
.border{ border-color:rgb(125, 171, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 171, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8658, 34.2240, 14.9682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 90) }
```

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

```
.background{ background-color: rgb(125,  
171, 90) }
```

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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