

Converting Colors

XYZ(15.8126, 22.9299, 12.4992)

Have a look what the booklet for
XYZ(15.8126, 22.9299, 12.4992)
contains.

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Color

**XYZ(15.8296, 22.9974,
12.4087)**

Conversions

Conversions Part 1

Format	Color
Hex	589156
RGB	88, 145, 86
RGB Percent	35%, 57%, 34%
CMY	0.6549, 0.4314, 0.6627
CMYK	0.39, 0.00, 0.41, 0.43
HSL	118°, 26%, 45%
HSV	118°, 41%, 57%
XYZ	15.8296, 22.9974, 12.4087
YIQ	121.2310, -15.0330, -30.4330

Conversions

Conversions Part 2

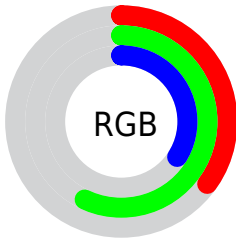
Format	Color
RYB	86, 145, 143
Decimal	5804374
CIELab	55.07, -31.24, 25.57
CIELCh	55, 40.370, 140.703
Yxy	22.9974, 0.3090, 0.4489
Android (android.graphics.Color)	4283994454 (0xFF589156)
YUV	121.2310, -17.3689, -29.1436
Hunter-Lab	47.9556, -25.0015, 18.2274

Details

The XYZ color **15.8296, 22.9974, 12.4087** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7674, 14.5403, 28.5540**, and the grayscale version is **18.3071, 19.2605, 20.9747**.

A 20% lighter version of the original color is **35.6826, 48.1999, 30.7154**, and **5.1319, 8.5452, 3.2984** is the 20% darker color. If you saturate the color by 10%, you get **14.1027, 22.1686, 9.5816**, and if you desaturate by 10%, it is **17.9310, 24.0069, 15.8731**.

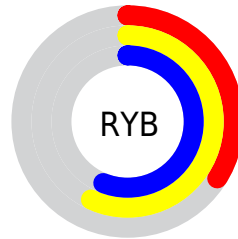
Distribution



Red (35%)

Green (57%)

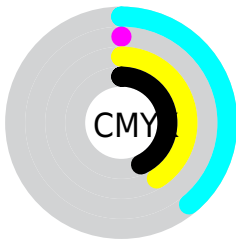
Blue (34%)



Red (34%)

Yellow (57%)

Blue (56%)

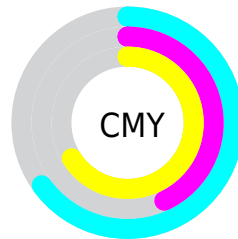


Cyan (39%)

Magenta (0%)

Yellow (41%)

Black (43%)



Cyan (65%)

Magenta (43%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8296, 22.9974, 12.4087 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 15.8296, 22.9974, 12.4087 by changing the saturation by 10% instead.

■ 15.8296, 22.9974,
12.4087

■ 15.8296, 22.9974,
12.4087

221.6243,
267.7116, 218.1656

■ 9.4937, 14.5916,
6.8968

■ 35.8620, 48.3891,
30.9128

■ 5.1243, 8.5333,
3.3201

■ 50.2892, 66.1437,
44.7420

■ 2.3559, 4.4380,
1.2603

■ 68.1442, 87.7834,
62.1807

■ 0.8230, 1.9215,
0.0290

■ 89.7925, 113.6925,
83.6474

■ 0.0000, 0.5612,
0.0000

■ 115.5992,
144.2556, 109.5607

■ 0.0000, 0.0000,
0.0000

145.9299,

179.8568, 140.3392

181.1498,
220.8807, 176.4013

■ 15.8296, 22.9974,
12.4087

■ 15.8296, 22.9974,
12.4087

■ 14.1027, 22.1686,
9.5816

■ 17.9310, 24.0069,
15.8731

■ 12.7268, 21.5073,
7.3516

■ 20.4254, 25.2039,
20.0086

■ 11.6783, 21.0027,
5.6762


■ 23.3320, 26.5981,
24.8486


■ 10.9300, 20.6421,
4.5069


■ 26.6681, 28.1980,
30.4239


■ 10.4504, 20.4103,
3.7867


■ 30.4504, 30.0115,
36.7631

 10.1874, 20.2834,
3.3782

 34.6943, 32.0458,
43.8937

 39.4147, 34.3083,
51.8417

 44.6259, 36.8056,
60.6317

 50.3413, 39.5442,
70.2876

Harmonies

Analogous

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



18.9434, 22.9974, 8.2910



15.8296, 22.9974, 12.4087



14.3912, 22.9974, 21.2509

Triad

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



15.8296, 22.9974, 12.4087



20.4917, 22.9974, 58.2661



30.9795, 22.9974, 17.2704

Complementary

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



15.8296, 22.9974, 12.4087



19.7674, 14.5403, 28.5540

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.



31.5437, 22.9974, 29.2553



15.8296, 22.9974, 12.4087



25.0579, 22.9974, 56.0592

Square

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



15.8296, 22.9974, 12.4087



16.8293, 22.9974, 49.4911



29.2511, 22.9974, 44.2133



27.8010, 22.9974, 10.3557

Rectangle

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



15.8296, 22.9974, 12.4087



14.4190, 22.9974, 29.9235



29.2511, 22.9974, 44.2133



31.4968, 22.9974, 20.7195

Sweetspot

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



15.8302, 22.9984, 12.4092



40.9202, 47.2177, 43.0605



23.0383, 26.0537, 12.6190



8.9684, 10.4394, 9.3547



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.8302, 22.9984, 12.4092



25.4414, 39.7887, 17.4627



16.9192, 23.4124, 19.1182



5.3587, 6.0376, 5.7723



8.7422, 17.3994, 2.8977



0.0863, 0.1677, 0.0278

Inverse Universe

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



19.7674, 14.5403, 28.5540



33.5021, 22.4552, 50.5421



18.3025, 13.9946, 19.0174



5.6085, 5.5019, 6.7951



13.6776, 6.5446, 23.5194



0.1344, 0.0645, 0.2250

Previews

White Background



This preview shows how the XYZ color 15.8296, 22.9974, 12.4087 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 15.8296, 22.9974, 12.4087 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 15.8296, 22.9974, 12.4087

Background



This preview shows how black text looks on a background with the XYZ color 15.8296, 22.9974, 12.4087.



This preview shows how white text looks on a background with the XYZ color 15.8296, 22.9974,

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

15.8296, 22.9974, 12.4087

Protanopia

20.9292, 22.6663, 11.0565

Deuteranopia

23.2109, 22.8280, 12.8558



Tritanopia

19.7688, 23.0562, 31.8421

Trichromacy



Original Color

15.8296, 22.9974, 12.4087

Protanomaly

18.5339, 22.4438, 11.5389

Deuteranomaly

19.7064, 22.4019, 12.7365

Tritanomaly

18.1146, 23.0429, 23.2316

Monochromacy



Original Color

15.8296, 22.9974, 12.4087

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.9961, 20.2992, 17.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8296, 22.9974, 12.4087 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(88, 145, 86)` looks like.

```
.text, #text, p{  
    color:rgb(88, 145, 86)  
}
```

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(88, 145, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 145, 86) }
```

Border

The CSS property to change the border of an element to XYZ 15.8296, 22.9974, 12.4087 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(88, 145, 86) }
```


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

```
.border{ border-color:rgb(88, 145, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 145, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 145, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 145, 86);  
box-shadow:4px 4px 4px 4px rgb(88, 145,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8296, 22.9974, 12.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 145, 86) }
```

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

```
.background{ background-color: rgb(88, 145,  
86) }
```

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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