

Converting Colors

XYZ(23.9850, 30.6045, 23.8665)

Have a look what the booklet for
XYZ(23.9850, 30.6045, 23.8665)
contains.

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Color

**XYZ(23.9546, 30.5899,
23.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	78A07C
RGB	120, 160, 124
RGB Percent	47%, 63%, 49%
CMY	0.5294, 0.3725, 0.5137
CMYK	0.25, 0.00, 0.23, 0.37
HSL	126°, 17%, 55%
HSV	126°, 25%, 63%
XYZ	23.9546, 30.5899, 23.7107
YIQ	143.9360, -12.2840, -19.6760

Conversions

Conversions Part 2

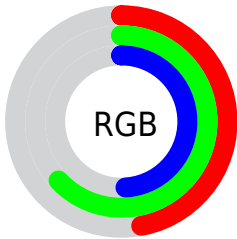
Format	Color
RYB	120, 156, 160
Decimal	7905404
CIELab	62.16, -21.07, 14.43
CIELCh	62, 25.536, 145.584
Yxy	30.5899, 0.3061, 0.3909
Android (android.graphics.Color)	4286095484 (0xFF78A07C)
YUV	143.9360, -9.8284, -20.9919
Hunter-Lab	55.3081, -19.4788, 13.2980

Details

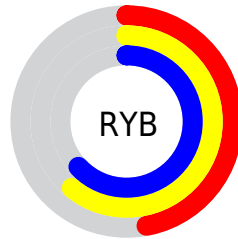
The XYZ color **23.9546, 30.5899, 23.7107** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.2154, 23.3074, 34.5181**, and the grayscale version is **26.5260, 27.9074, 30.3911**.

A 20% lighter version of the original color is **49.4698, 60.6594, 50.6961**, and **9.1583, 12.5352, 8.5935** is the 20% darker color. If you saturate the color by 10%, you get **21.0732, 29.2030, 19.1644**, and if you desaturate by 10%, it is **27.3415, 32.2238, 28.9762**.

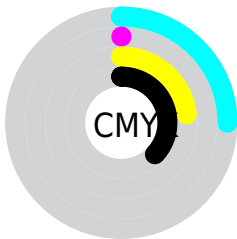
Distribution



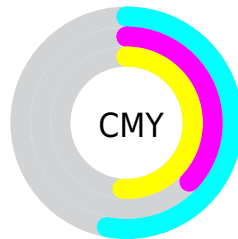
- Red (47%)
- Green (63%)
- Blue (49%)



- Red (47%)
- Yellow (61%)
- Blue (63%)



- Cyan (25%)
- Magenta (0%)
- Yellow (23%)
- Black (37%)



- Cyan (53%)
- Magenta (37%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9546, 30.5899, 23.7107 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 23.9546, 30.5899, 23.7107 by changing the saturation by 10% instead.

■ 23.9546, 30.5899,
23.7107

■ 23.9546, 30.5899,
23.7107

265.0356,
304.6445, 284.5939

■ 15.4245, 20.2868,
14.9089

■ 49.4113, 60.5938,
50.4956

■ 9.2061, 12.6037,
8.6096

■ 67.0686, 81.0634,
69.3158

■ 4.9340, 7.1562,
4.3941

■ 88.4991, 105.6906,
92.3126

■ 2.2430, 3.5600,
1.8439

114.0680,
134.8598, 119.9045

■ 0.7652, 1.4306,
0.4567

144.1408,
168.9554, 152.5100

■ 0.0000, 0.2391,
0.0000

179.0827,

■ 0.0000, 0.0000,

208.3618, 190.5477

0.0000

219.2592,
253.4634, 234.4362

■ 23.9546, 30.5899,
23.7107

■ 23.9546, 30.5899,
23.7107

■ 21.0732, 29.2030,
19.1644

■ 27.3415, 32.2238,
28.9762

■ 18.6706, 28.0474,
15.3041

■ 31.2540, 34.1117,
34.9882

■ 16.7216, 27.1116,
12.0973

■ 35.7140, 36.2653,
41.7747

■ 15.1975, 26.3816,
9.5076

■ 40.7415, 38.6944,
49.3621

■ 14.0663, 25.8418,
7.4955

■ 46.3555, 41.4081,
57.7752

■ 13.2915, 25.4743,
6.0166

■ 52.5742, 44.4154,
67.0379

■ 12.8282, 25.2571,
5.0202

■ 59.4148, 47.7246,
77.1731

■ 12.6649, 25.1802,
4.6831

■ 66.8940, 51.3439,
88.2029

■ 71.6372, 53.5331,
99.9898

Harmonies

Analogous

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



26.3122, 30.5899, 18.9817



23.9546, 30.5899, 23.7107



22.9686, 30.5899, 31.8705

Triad

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



23.9546, 30.5899, 23.7107



28.5687, 30.5899, 55.9769



35.4549, 30.5899, 25.7814

Complementary

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



23.9546, 30.5899, 23.7107



27.2154, 23.3074, 34.5181

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.



36.1773, 30.5899, 34.7865



23.9546, 30.5899, 23.7107



32.0243, 30.5899, 53.4705

Square

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



23.9546, 30.5899, 23.7107



25.4958, 30.5899, 51.4964



34.8771, 30.5899, 45.1961



32.9739, 30.5899, 20.0016

Rectangle

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



23.9546, 30.5899, 23.7107



23.1601, 30.5899, 38.6574



34.8771, 30.5899, 45.1961



35.9194, 30.5899, 28.4750

Sweetspot

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



23.9554, 30.5912, 23.7114



54.4002, 60.8022, 59.9342



29.6725, 33.5671, 22.6847



11.7037, 13.2252, 12.7959



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.



23.9554, 30.5912, 23.7114



40.4653, 54.0831, 38.2893



25.3515, 31.1496, 31.0628



6.5764, 7.4113, 7.2038



9.8737, 19.6174, 3.6917



0.1835, 0.3535, 0.1025

Inverse Universe

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



27.2154, 23.3074, 34.5181



47.4176, 38.5455, 61.3323



25.6585, 22.6847, 26.3195



6.8755, 6.7431, 8.1958



15.2236, 7.3940, 21.2262



0.2796, 0.1352, 0.4187

Previews

White Background



This preview shows how the XYZ color 23.9546, 30.5899, 23.7107 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 23.9546, 30.5899, 23.7107 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 23.9546, 30.5899, 23.7107

Background



This preview shows how black text looks on a background with the XYZ color 23.9546, 30.5899, 23.7107.



This preview shows how white text looks on a background with the XYZ color 23.9546, 30.5899,

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

23.9546, 30.5899, 23.7107

Protanopia

28.3753, 30.1977, 21.7860

Deuteranopia

30.8173, 30.2495, 24.2932



Tritanopia

27.4327, 30.4904, 40.9986

Trichromacy



Original Color

23.9546, 30.5899, 23.7107

Protanomaly

26.5195, 30.1827, 22.5173

Deuteranomaly

27.8091, 30.0914, 24.0812

Tritanomaly

25.9318, 30.3713, 33.7736

Monochromacy



Original Color

23.9546, 30.5899, 23.7107

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.4134, 28.7697, 27.8806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9546, 30.5899, 23.7107 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(120, 160, 124)` looks like.

```
.text, #text, p{  
    color:rgb(120, 160, 124)  
}
```

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(120, 160, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 160, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.9546, 30.5899, 23.7107 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(120, 160, 124) }
```


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

```
.border{ border-color:rgb(120, 160, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 160, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 160, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 160, 124);  
box-shadow:4px 4px 4px 4px rgb(120, 160,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9546, 30.5899, 23.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 160, 124) }
```

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

```
.background{ background-color: rgb(120,  
160, 124) }
```

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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