

Converting Colors

XYZ(23.9031, 30.4356, 17.0769)

Have a look what the booklet for
XYZ(23.9031, 30.4356, 17.0769)
contains.

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Color

**XYZ(24.0023, 30.5014,
17.1927)**

Conversions

Conversions Part 1

Format	Color
Hex	829F66
RGB	130, 159, 102
RGB Percent	51%, 62%, 40%
CMY	0.4902, 0.3765, 0.6000
CMYK	0.18, 0.00, 0.36, 0.38
HSL	91°, 23%, 51%
HSV	91°, 36%, 62%
XYZ	24.0023, 30.5014, 17.1927
YIQ	143.8310, 1.0130, -23.8750

Conversions

Conversions Part 2

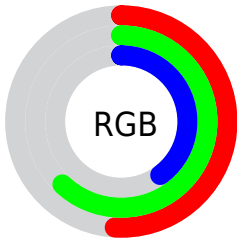
Format	Color
RYB	102, 159, 131
Decimal	8560486
CIELab	62.08, -20.53, 26.53
CIELCh	62, 33.546, 127.737
Yxy	30.5014, 0.3348, 0.4254
Android (android.graphics.Color)	4286750566 (0xFF829F66)
YUV	143.8310, -20.6227, -12.1298
Hunter-Lab	55.2281, -19.0724, 20.2025

Details

The XYZ color **24.0023, 30.5014, 17.1927** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3708, 16.8322, 34.9779**, and the grayscale version is **26.5220, 27.9032, 30.3865**.

A 20% lighter version of the original color is **49.6465, 60.6166, 39.6554**, and **9.1480, 12.4440, 5.4098** is the 20% darker color. If you saturate the color by 10%, you get **22.0958, 29.6021, 13.3747**, and if you desaturate by 10%, it is **26.1592, 31.5142, 21.8132**.

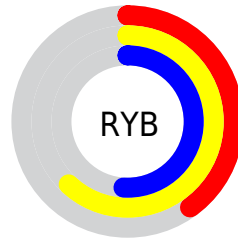
Distribution



Red (51%)

Green (62%)

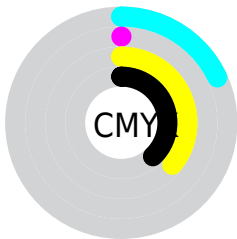
Blue (40%)



Red (40%)

Yellow (62%)

Blue (51%)

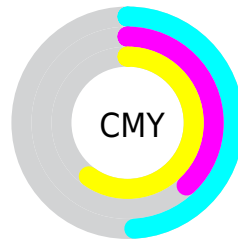


Cyan (18%)

Magenta (0%)

Yellow (36%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0023, 30.5014, 17.1927 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 24.0023, 30.5014, 17.1927 by changing the saturation by 10% instead.

■ 24.0023, 30.5014,
17.1927

■ 24.0023, 30.5014,
17.1927

265.2724,
304.2347, 248.3619

■ 15.4601, 20.2195,
10.2086

■ 49.4886, 60.4542,
39.4520

■ 9.2313, 12.5547,
5.4301

■ 67.1634, 80.8939,
55.5642

■ 4.9507, 7.1226,
2.4386

■ 88.6131, 105.4883,
75.5562

■ 2.2528, 3.5389,
0.8074

■ 114.2030,
134.6218, 99.8465

■ 0.7704, 1.4191,
0.0000

144.2985,
168.6788, 128.8537

■ 0.0000, 0.2308,
0.0000

179.2650,

■ 0.0000, 0.0000,

208.0436, 162.9963

0.0000

219.4679,
253.1008, 202.6928

■ 24.0023, 30.5014,
17.1927

■ 24.0023, 30.5014,
17.1927

■ 22.0958, 29.6021,
13.3747

■ 26.1592, 31.5142,
21.8132

■ 20.4266, 28.8076,
10.3115

■ 28.5743, 32.6409,
27.2764

■ 18.9834, 28.1143,
7.9532

■ 31.2580, 33.8867,
33.6222

■ 17.7532, 27.5167,
6.2433

■ 34.2192, 35.2555,
40.8873

■ 16.7211, 27.0085,
5.1165

■ 37.4665, 36.7510,
49.1065

■ 15.8676, 26.5816,
4.4840

■ 41.0080, 38.3766,
58.3124

■ 15.5488, 26.4215,
4.2803

■ 44.8515, 40.1357,
68.5366

■ 49.0045, 42.0314,
79.8088

■ 53.4742, 44.0669,
92.1578

Harmonies

Analogous

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



27.8392, 30.5014, 14.1851



24.0023, 30.5014, 17.1927



21.6857, 30.5014, 24.6655

Triad

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



24.0023, 30.5014, 17.1927



25.8291, 30.5014, 61.8911



38.4564, 30.5014, 29.9794

Complementary

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



24.0023, 30.5014, 17.1927



20.3708, 16.8322, 34.9779

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.



37.7756, 30.5014, 43.5318



24.0023, 30.5014, 17.1927



30.1734, 30.5014, 64.3840

Square

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



24.0023, 30.5014, 17.1927



22.6616, 30.5014, 50.8402



34.6263, 30.5014, 56.9662



36.4003, 30.5014, 20.2159

Rectangle

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



24.0023, 30.5014, 17.1927



21.1630, 30.5014, 32.2404



34.6263, 30.5014, 56.9662



38.5435, 30.5014, 34.2006

Sweetspot

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



24.0031, 30.5027, 17.1934



53.3407, 59.4621, 53.9197



24.7468, 24.4300, 15.9820



11.8900, 13.3427, 11.8369



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.



24.0031, 30.5027, 17.1934



40.2284, 53.3239, 25.2289



20.2768, 28.5818, 17.0190



6.8454, 7.5530, 7.0827



12.3284, 20.8923, 3.3828



0.2692, 0.3987, 0.0628

Inverse Universe

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



20.3708, 16.8322, 34.9779



32.7435, 25.1558, 61.8732



25.3087, 19.3777, 35.2089



6.5903, 6.5928, 8.3319



7.6647, 3.3803, 26.1557



0.1858, 0.0856, 0.4700

Previews

White Background



This preview shows how the XYZ color 24.0023, 30.5014, 17.1927 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 24.0023, 30.5014, 17.1927 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 24.0023, 30.5014, 17.1927

Background



This preview shows how black text looks on a background with the XYZ color 24.0023, 30.5014, 17.1927.



This preview shows how white text looks on a background with the XYZ color 24.0023, 30.5014,

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

24.0023, 30.5014, 17.1927

Protanopia

28.2152, 30.4811, 15.9516

Deuteranopia

30.7324, 30.1298, 17.5605



Tritanopia

28.3249, 30.2665, 38.9995

Trichromacy



Original Color

24.0023, 30.5014, 17.1927

Protanomaly

26.4059, 30.2626, 16.2539

Deuteranomaly

27.9441, 30.0714, 17.4283

Tritanomaly

26.5167, 30.2685, 29.6441

Monochromacy



Original Color

24.0023, 30.5014, 17.1927

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3574, 28.5688, 24.9467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0023, 30.5014, 17.1927 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(130, 159, 102)` looks like.

```
.text, #text, p{  
    color:rgb(130, 159, 102)  
}
```

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(130, 159, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 159, 102) }
```

Border

The CSS property to change the border of an element to XYZ 24.0023, 30.5014, 17.1927 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(130, 159, 102) }
```


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

```
.border{ border-color:rgb(130, 159, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 159, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 159, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 159, 102);  
box-shadow:4px 4px 4px 4px rgb(130, 159,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0023, 30.5014, 17.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 159, 102) }
```

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

```
.background{ background-color: rgb(130,  
159, 102) }
```

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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