

Converting Colors

XYZ(23.9406, 30.1770, 7.4699)

Have a look what the booklet for
XYZ(23.9406, 30.1770, 7.4699)
contains.

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Color

**XYZ(23.9390, 30.1753,
7.4684)**

Conversions

Conversions Part 1

Format	Color
Hex	8F9D31
RGB	143, 157, 49
RGB Percent	56%, 62%, 19%
CMY	0.4392, 0.3843, 0.8078
CMYK	0.09, 0.00, 0.69, 0.38
HSL	68°, 52%, 40%
HSV	68°, 69%, 62%
XYZ	23.9390, 30.1753, 7.4684
YIQ	140.5020, 26.3240, -36.5560

Conversions

Conversions Part 2

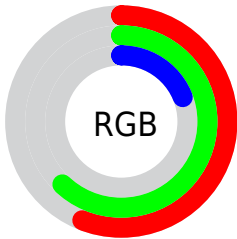
Format	Color
RYB	49, 157, 63
Decimal	9411889
CIELab	61.81, -19.61, 52.28
CIELCh	62, 55.833, 110.557
Yxy	30.1753, 0.3887, 0.4900
Android (android.graphics.Color)	4287601969 (0xFF8F9D31)
YUV	140.5020, -45.1105, 2.1907
Hunter-Lab	54.9320, -18.3420, 30.3915

Details

The XYZ color **23.9390, 30.1753, 7.4684** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.2350, 5.6884, 32.5113**, and the grayscale version is **25.2868, 26.6037, 28.9714**.

A 20% lighter version of the original color is **49.2457, 59.6900, 21.4962**, and **9.2739, 12.4319, 1.9108** is the 20% darker color. If you saturate the color by 10%, you get **23.3147, 29.8863, 6.0010**, and if you desaturate by 10%, it is **24.6865, 30.5165, 9.5453**.

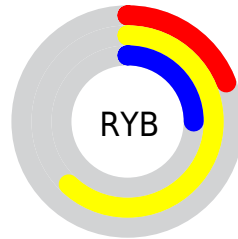
Distribution



Red (56%)

Green (62%)

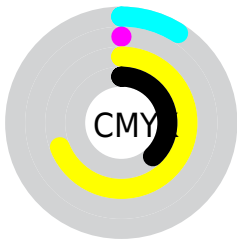
Blue (19%)



Red (19%)

Yellow (62%)

Blue (25%)

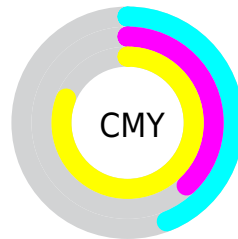


Cyan (9%)

Magenta (0%)

Yellow (69%)

Black (38%)



Cyan (44%)

Magenta (38%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9390, 30.1753, 7.4684 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 23.9390, 30.1753, 7.4684 by changing the saturation by 10% instead.

■ 23.9390, 30.1753,
7.4684

■ 23.9390, 30.1753,
7.4684

264.9581,
302.7207, 181.2769

■ 15.4129, 19.9717,
3.6739

■ 49.3860, 59.9393,
21.4382

■ 9.1979, 12.3745,
1.4482

■ 67.0377, 80.2685,
32.4505

■ 4.9286, 6.9992,
0.1789

■ 88.4618, 104.7416,
46.7059

■ 2.2398, 3.4616,
0.0000

■ 114.0239,
133.7431, 64.6228

■ 0.7636, 1.3772,
0.0000

■ 144.0892,
167.6574, 86.6198

■ 0.0000, 0.1998,
0.0000

■ 179.0231,

■ 0.0000, 0.0000,

206.8688, 113.1155

0.0000

219.1910,
251.7618, 144.5283

■ 23.9390, 30.1753,
7.4684

■ 23.9390, 30.1753,
7.4684

■ 23.3147, 29.8863,
6.0010

■ 24.6865, 30.5165,
9.5453

■ 22.7990, 29.6404,
5.0749

■ 25.5660, 30.9101,
12.2867

■ 22.3669, 29.4287,
4.5561

■ 26.5878, 31.3614,
15.7436

■ 22.3161, 29.4037,
4.4993

■ 27.7605, 31.8738,
19.9615

■ 29.0921, 32.4506,
24.9821

■ 30.5900, 33.0946,
30.8440

■ 32.2611, 33.8086,
37.5836

■ 34.1119, 34.5953,
45.2348

■ 36.1485, 35.4571,
53.8300

Harmonies

Analogous

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



31.0956, 30.1753, 6.7283



23.9390, 30.1753, 7.4684



18.9797, 30.1753, 13.0768

Triad

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



23.9390, 30.1753, 7.4684



20.5088, 30.1753, 75.8120



45.2590, 30.1753, 40.0563

Complementary

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



23.9390, 30.1753, 7.4684



9.2350, 5.6884, 32.5113

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.



41.2263, 30.1753, 66.4181



23.9390, 30.1753, 7.4684



26.3942, 30.1753, 92.2140

Square

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



23.9390, 30.1753, 7.4684



17.2504, 30.1753, 49.4694



34.0106, 30.1753, 88.1822



44.2926, 30.1753, 20.4529

Rectangle

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



23.9390, 30.1753, 7.4684



17.1825, 30.1753, 21.0047



34.0106, 30.1753, 88.1822



44.4201, 30.1753, 48.4906

Sweetspot

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



23.9397, 30.1767, 7.4690



51.4462, 57.8309, 42.2432



16.1610, 10.7926, 4.1375



11.1855, 12.6669, 8.7844



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.9397, 30.1767, 7.4690



41.1933, 53.2556, 9.6736



16.8679, 26.5310, 7.1381



7.0855, 7.6767, 7.0940



18.1456, 23.8911, 3.6551



0.3458, 0.4382, 0.0664

Inverse Universe

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



9.2350, 5.6884, 32.5113



13.1574, 6.4021, 57.6690



14.3345, 8.3173, 32.7500



6.3608, 6.4744, 8.3211



5.2020, 2.1108, 26.0405



0.1132, 0.0482, 0.4666

Previews

White Background



This preview shows how the XYZ color 23.9390, 30.1753, 7.4684 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 23.9390, 30.1753, 7.4684 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 23.9390, 30.1753, 7.4684

Background



This preview shows how black text looks on a background with the XYZ color 23.9390, 30.1753, 7.4684.



This preview shows how white text looks on a background with the XYZ color 23.9390, 30.1753,

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

23.9390, 30.1753, 7.4684

Protanopia

27.1969, 29.9156, 7.0302

Deuteranopia

30.5886, 30.0514, 7.6783



Tritanopia

29.9317, 30.2061, 36.6005

Trichromacy



Original Color

23.9390, 30.1753, 7.4684

Protanomaly

25.8623, 29.9390, 7.2120

Deuteranomaly

27.6311, 29.6614, 7.5177

Tritanomaly

26.9143, 29.9253, 21.4972

Monochromacy



Original Color

23.9390, 30.1753, 7.4684

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.2958, 27.7009, 18.2536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9390, 30.1753, 7.4684 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(143, 157, 49)` looks like.

```
.text, #text, p{  
    color:rgb(143, 157, 49)  
}
```

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(143, 157, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 157, 49) }
```

Border

The CSS property to change the border of an element to XYZ 23.9390, 30.1753, 7.4684 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(143, 157, 49) }
```


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

```
.border{ border-color:rgb(143, 157, 49) }
```

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

Here you see how a box with a 4 pixel rgb(143, 157, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 157, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 157, 49);  
box-shadow:4px 4px 4px 4px rgb(143, 157,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9390, 30.1753, 7.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 157, 49) }
```

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

```
.background{ background-color: rgb(143,  
157, 49) }
```

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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