

Converting Colors

XYZ(23.9485, 30.3117, 12.9767)

Have a look what the booklet for
XYZ(23.9485, 30.3117, 12.9767)
contains.

XYZ(23.9804, 30.3281, 12.9775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9804, 30.3281,
12.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	889E54
RGB	136, 158, 84
RGB Percent	53%, 62%, 33%
CMY	0.4667, 0.3804, 0.6706
CMYK	0.14, 0.00, 0.47, 0.38
HSL	78°, 31%, 47%
HSV	78°, 47%, 62%
XYZ	23.9804, 30.3281, 12.9775
YIQ	142.9860, 10.6420, -27.6780

Conversions

Conversions Part 2

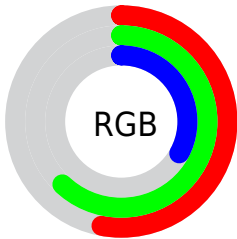
Format	Color
RYB	84, 158, 106
Decimal	8953428
CIELab	61.94, -19.99, 35.95
CIELCh	62, 41.131, 119.076
Yxy	30.3281, 0.3564, 0.4507
Android (android.graphics.Color)	4287143508 (0xFF889E54)
YUV	142.9860, -29.0801, -6.1267
Hunter-Lab	55.0710, -18.6471, 24.5779

Details

The XYZ color **23.9804, 30.3281, 12.9775** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2870, 11.8743, 33.8359**, and the grayscale version is **26.2130, 27.5781, 30.0325**.

A 20% lighter version of the original color is **49.6533, 60.4141, 31.9658**, and **9.2323, 12.5276, 3.6005** is the 20% darker color. If you saturate the color by 10%, you get **22.6839, 29.7243, 10.0430**, and if you desaturate by 10%, it is **25.4514, 31.0077, 16.6502**.

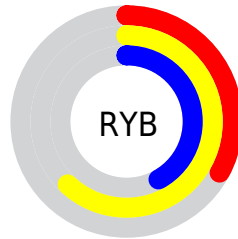
Distribution



Red (53%)

Green (62%)

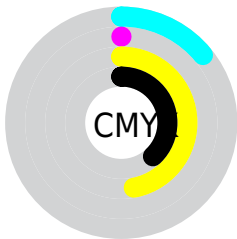
Blue (33%)



Red (33%)

Yellow (62%)

Blue (42%)

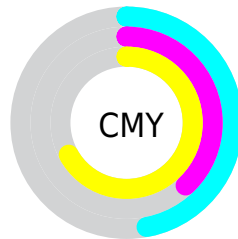


Cyan (14%)

Magenta (0%)

Yellow (47%)

Black (38%)



Cyan (47%)

Magenta (38%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9804, 30.3281, 12.9775 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 23.9804, 30.3281, 12.9775 by changing the saturation by 10% instead.

■ 23.9804, 30.3281,
12.9775

■ 23.9804, 30.3281,
12.9775

265.1637,
303.4308, 221.9762

■ 15.4437, 20.0878,
7.2825

■ 49.4531, 60.1807,
31.9540

■ 9.2197, 12.4589,
3.5583

■ 67.1199, 80.5617,
46.0725

■ 4.9430, 7.0570,
1.3863

■ 88.5607, 105.0917,
63.8360

■ 2.2483, 3.4978,
0.1310

■ 114.1410,
134.1551, 85.6629

■ 0.7680, 1.3968,
0.0000

■ 144.2261,
168.1364, 111.9719

■ 0.0000, 0.2144,
0.0000

179.1814,

■ 0.0000, 0.0000,

207.4198, 143.1814

0.0000

219.3721,
252.3898, 179.7099

■ 23.9804, 30.3281,
12.9775

■ 23.9804, 30.3281,
12.9775

■ 22.6839, 29.7243,
10.0430

■ 25.4514, 31.0077,
16.6502

■ 21.5499, 29.1883,
7.7945

■ 27.1039, 31.7626,
21.1044

■ 20.5678, 28.7168,
6.1764


■ 28.9467, 32.5978,
26.3826


■ 19.7250, 28.3048,
5.1235

■ 30.9878, 33.5162,
32.5237


■ 19.0019, 27.9443,
4.5359


■ 33.2344, 34.5208,
39.5638

 18.7858, 27.8360,
4.3828

 35.6934, 35.6145,
47.5373

 38.3713, 36.8000,
56.4766

 41.2744, 38.0796,
66.4126

 44.4086, 39.4560,
77.3748

Harmonies

Analogous

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



28.9969, 30.3281, 11.0351



23.9804, 30.3281, 12.9775



20.6634, 30.3281, 19.7616

Triad

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



23.9804, 30.3281, 12.9775



23.7199, 30.3281, 66.4645



40.7618, 30.3281, 33.5133

Complementary

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



23.9804, 30.3281, 12.9775



15.2870, 11.8743, 33.8359

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.



38.8966, 30.3281, 51.1853



23.9804, 30.3281, 12.9775



28.6556, 30.3281, 73.5687

Square

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



23.9804, 30.3281, 12.9775



20.5270, 30.3281, 50.0598



34.2839, 30.3281, 67.2466



39.1054, 30.3281, 20.3689

Rectangle

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



23.9804, 30.3281, 12.9775



19.6293, 30.3281, 27.6027



34.2839, 30.3281, 67.2466



40.5223, 30.3281, 39.1083

Sweetspot

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



23.9811, 30.3294, 12.9781



53.4789, 59.6067, 50.6131



20.7501, 18.0065, 10.7699



11.8916, 13.3638, 10.9217



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.



23.9811, 30.3294, 12.9781



41.1347, 53.9495, 18.1161



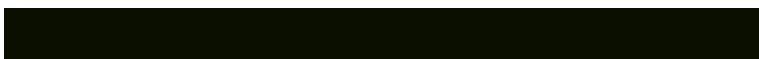
19.0874, 27.8066, 12.7491



6.9780, 7.6213, 7.0889



15.0855, 22.3136, 3.5119



0.3098, 0.4196, 0.0647

Inverse Universe

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



15.2870, 11.8743, 33.8359



23.4363, 16.3258, 60.6594



20.4926, 14.5579, 34.0795



6.4609, 6.5261, 8.3258



5.9166, 2.4791, 26.0739



0.1453, 0.0647, 0.4681

Previews

White Background



This preview shows how the XYZ color 23.9804, 30.3281, 12.9775 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 23.9804, 30.3281, 12.9775 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 23.9804, 30.3281, 12.9775

Background



This preview shows how black text looks on a background with the XYZ color 23.9804, 30.3281, 12.9775.



This preview shows how white text looks on a background with the XYZ color 23.9804, 30.3281,

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

23.9804, 30.3281, 12.9775

Protanopia

27.5425, 29.9815, 12.1199

Deuteranopia

30.8753, 30.2946, 13.4527



Tritanopia

29.0345, 30.1791, 38.0131

Trichromacy



Original Color

23.9804, 30.3281, 12.9775

Protanomaly

26.0777, 29.9357, 12.3864

Deuteranomaly

27.8273, 29.8673, 13.3151

Tritanomaly

26.6172, 29.9007, 26.5588

Monochromacy



Original Color

23.9804, 30.3281, 12.9775

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9180, 28.1604, 22.5345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9804, 30.3281, 12.9775 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(136, 158, 84)` looks like.

```
.text, #text, p{  
    color:rgb(136, 158, 84)  
}
```

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(136, 158, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 158, 84) }
```

Border

The CSS property to change the border of an element to XYZ 23.9804, 30.3281, 12.9775 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(136, 158, 84) }
```


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

```
.border{ border-color:rgb(136, 158, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 158, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 158, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 158, 84);  
box-shadow:4px 4px 4px 4px rgb(136, 158,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9804, 30.3281, 12.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 158, 84) }
```

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

```
.background{ background-color: rgb(136,  
158, 84) }
```

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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