

Converting Colors

XYZ(23.8136, 30.2992, 10.3876)

Have a look what the booklet for
XYZ(23.8136, 30.2992, 10.3876)
contains.

XYZ(23.8136, 30.2992, 10.3876)	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(23.8136, 30.2992,
10.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9E46
RGB	138, 158, 70
RGB Percent	54%, 62%, 27%
CMY	0.4588, 0.3804, 0.7255
CMYK	0.13, 0.00, 0.56, 0.38
HSL	74°, 39%, 45%
HSV	74°, 56%, 62%
XYZ	23.8136, 30.2992, 10.3876
YIQ	141.9880, 16.3280, -31.6080

Conversions

Conversions Part 2

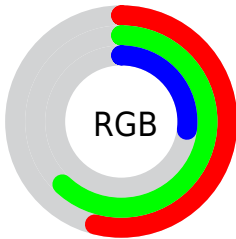
Format	Color
RYB	70, 158, 90
Decimal	9084486
CIELab	61.91, -20.62, 42.94
CIELCh	62, 47.636, 115.645
Yxy	30.2992, 0.3692, 0.4698
Android (android.graphics.Color)	4287274566 (0xFF8A9E46)
YUV	141.9880, -35.4901, -3.4975
Hunter-Lab	55.0447, -19.1051, 27.3426

Details

The XYZ color **23.8136, 30.2992, 10.3876** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.5793, 9.0234, 33.4282**, and the grayscale version is **25.8386, 27.1842, 29.6036**.

A 20% lighter version of the original color is **49.2378, 60.3064, 27.1344**, and **9.2046, 12.5375, 2.5071** is the 20% darker color. If you saturate the color by 10%, you get **22.7949, 29.8253, 8.0704**, and if you desaturate by 10%, it is **24.9847, 30.8385, 13.3981**.

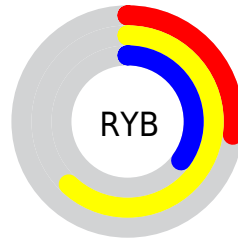
Distribution



Red (54%)

Green (62%)

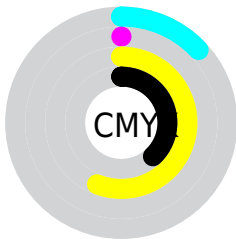
Blue (27%)



Red (27%)

Yellow (62%)

Blue (35%)

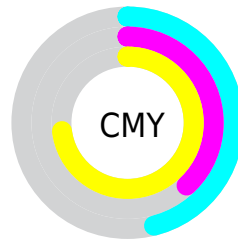


Cyan (13%)

Magenta (0%)

Yellow (56%)

Black (38%)



Cyan (46%)

Magenta (38%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8136, 30.2992, 10.3876 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 23.8136, 30.2992, 10.3876 by changing the saturation by 10% instead.

■ 23.8136, 30.2992,
10.3876

■ 23.8136, 30.2992,
10.3876

264.3347,
303.2966, 204.0008

■ 15.3194, 20.0658,
5.5477

■ 49.1827, 60.1350,
27.1412

■ 9.1316, 12.4429,
2.5078

■ 66.7884, 80.5062,
39.8919

■ 4.8849, 7.0461,
0.8443

■ 88.1619, 105.0255,
56.1168

■ 2.2140, 3.4909,
0.0000

■ 113.6686,
134.0772, 76.2342

■ 0.7501, 1.3931,
0.0000

■ 143.6739,
168.0458, 100.6628

■ 0.0000, 0.2116,
0.0000

178.5431,

■ 0.0000, 0.0000,

207.3156, 129.8211

0.0000

218.6416,
252.2711, 164.1275

■ 23.8136, 30.2992,
10.3876

■ 23.8136, 30.2992,
10.3876

■ 22.7949, 29.8253,
8.0704

■ 24.9847, 30.8385,
13.3981

■ 21.9156, 29.4083,
6.3892

■ 26.3156, 31.4429,
17.1496

■ 21.1642, 29.0447,
5.2805

■ 27.8156, 32.1174,
21.6876

■ 20.5241, 28.7278,
4.6586

■ 29.4929, 32.8650,
27.0535

■ 20.2659, 28.5990,
4.4520

■ 31.3549, 33.6889,
33.2857

■ 33.4087, 34.5919,
40.4204

■ 35.6609, 35.5766,
48.4915

■ 38.1177, 36.6456,
57.5314

■ 40.7852, 37.8013,
67.5706

Harmonies

Analogous

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



29.7392, 30.2992, 8.9105



23.8136, 30.2992, 10.3876



19.8198, 30.2992, 16.8836

Triad

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



23.8136, 30.2992, 10.3876



22.4215, 30.2992, 71.2758



42.8279, 30.2992, 35.7285

Complementary

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



23.8136, 30.2992, 10.3876



12.5793, 9.0234, 33.4282

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.



40.1466, 30.2992, 57.0251



23.8136, 30.2992, 10.3876



27.8778, 30.2992, 81.8197

Square

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



23.8136, 30.2992, 10.3876



19.1032, 30.2992, 50.6309



34.4346, 30.2992, 75.8237



41.3193, 30.2992, 20.0129

Rectangle

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



23.8136, 30.2992, 10.3876



18.4829, 30.2992, 25.0314



34.4346, 30.2992, 75.8237



42.3771, 30.2992, 42.4801

Sweetspot

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



23.8143, 30.3006, 10.3882



53.0351, 59.4480, 47.4259



18.7851, 14.8681, 7.6745



11.8251, 13.3439, 10.2662



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.



23.8143, 30.3006, 10.3882



40.9522, 53.9519, 13.7501



18.0458, 27.3268, 10.1183



7.0226, 7.6443, 7.0910



16.2652, 22.9217, 3.5671



0.3242, 0.4271, 0.0653

Inverse Universe

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



12.5793, 9.0234, 33.4282



18.4980, 11.3245, 59.9543



18.0462, 11.8417, 33.6841



6.4188, 6.5044, 8.3238



5.5529, 2.2916, 26.0569



0.1319, 0.0578, 0.4674

Previews

White Background



This preview shows how the XYZ color 23.8136, 30.2992, 10.3876 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 23.8136, 30.2992, 10.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

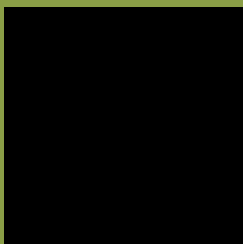
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8136, 30.2992, 10.3876

Background



This preview shows how black text looks on a background with the XYZ color 23.8136, 30.2992, 10.3876.



This preview shows how white text looks on a background with the XYZ color 23.8136, 30.2992,

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

23.8136, 30.2992, 10.3876

Protanopia

27.6454, 30.3249, 9.7064

Deuteranopia

30.6762, 30.0308, 10.6583



Tritanopia

29.1478, 30.0138, 37.5147

Trichromacy



Original Color

23.8136, 30.2992, 10.3876

Protanomaly

26.1449, 30.2677, 9.9331

Deuteranomaly

27.7289, 29.8763, 10.6086

Tritanomaly

26.5606, 29.9181, 24.4535

Monochromacy



Original Color

23.8136, 30.2992, 10.3876

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.7268, 28.1035, 20.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8136, 30.2992, 10.3876 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(138, 158, 70)` looks like.

```
.text, #text, p{  
    color:rgb(138, 158, 70)  
}
```

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(138, 158, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 158, 70) }
```

Border

The CSS property to change the border of an element to XYZ 23.8136, 30.2992, 10.3876 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(138, 158, 70) }
```


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

```
.border{ border-color:rgb(138, 158, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 158, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 158, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 158, 70);  
box-shadow:4px 4px 4px 4px rgb(138, 158,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8136, 30.2992, 10.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 158, 70) }
```

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

```
.background{ background-color: rgb(138,  
158, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor