

Converting Colors

XYZ(23.9035, 23.5144, 11.1930)

Have a look what the booklet for
XYZ(23.9035, 23.5144, 11.1930)
contains.

XYZ(23.9401, 23.6246, 11.2809)	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(23.9401, 23.6246,
11.2809)**

Conversions

Conversions Part 1

Format	Color
Hex	A18052
RGB	161, 128, 82
RGB Percent	63%, 50%, 32%
CMY	0.3686, 0.4980, 0.6784
CMYK	0.00, 0.20, 0.49, 0.37
HSL	35°, 33%, 48%
HSV	35°, 49%, 63%
XYZ	23.9401, 23.6246, 11.2809
YIQ	132.6230, 34.4340, -7.3100

Conversions

Conversions Part 2

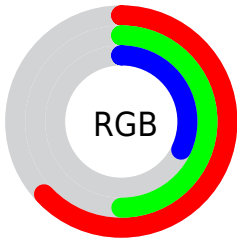
Format	Color
RYB	139, 161, 82
Decimal	10584146
CIELab	55.71, 6.67, 29.70
CIELCh	56, 30.444, 77.341
Yxy	23.6246, 0.4068, 0.4015
Android (android.graphics.Color)	4288774226 (0xFFA18052)
YUV	132.6230, -24.9571, 24.8866
Hunter-Lab	48.6051, 2.8598, 20.2628

Details

The XYZ color **23.9401, 23.6246, 11.2809** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.0432, 16.6279, 36.0820**, and the grayscale version is **22.2368, 23.3949, 25.4770**.

A 20% lighter version of the original color is **49.3040, 49.4654, 28.7790**, and **9.1778, 8.8451, 2.8926** is the 20% darker color. If you saturate the color by 10%, you get **22.5498, 21.7121, 8.1414**, and if you desaturate by 10%, it is **25.5335, 25.7132, 15.1978**.

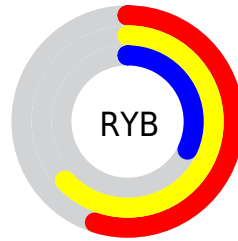
Distribution



Red (63%)

Green (50%)

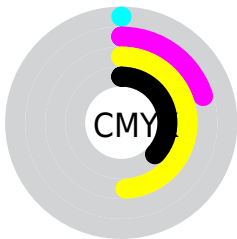
Blue (32%)



Red (55%)

Yellow (63%)

Blue (32%)

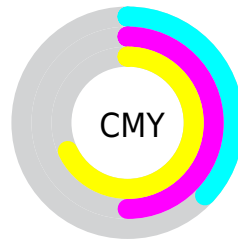


Cyan (0%)

Magenta (20%)

Yellow (49%)

Black (37%)



Cyan (37%)

Magenta (50%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9401, 23.6246, 11.2809 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 23.9401, 23.6246, 11.2809 by changing the saturation by 10% instead.

■ 23.9401, 23.6246,
11.2809

■ 23.9401, 23.6246,
11.2809

264.9636,
270.9170, 210.3908

■ 15.4137, 15.0554,
6.1396

■ 49.3878, 49.4169,
28.8230

■ 9.1984, 8.8583,
2.8600

■ 67.0398, 67.4088,
42.0608

■ 4.9290, 4.6488,
1.0236

■ 88.4644, 89.3103,
58.8346

■ 2.2400, 2.0427,
0.0000

■ 114.0270,
115.5060, 79.5627

■ 0.7637, 0.6321,
0.0000

■ 144.0928,
146.3800, 104.6639

■ 0.0000, 0.0000,
0.0000

179.0273,

182.3170, 134.5566

219.1958,
223.7012, 169.6594

■ 23.9401, 23.6246,
11.2809

■ 23.9401, 23.6246,
11.2809

■ 22.5498, 21.7121,
8.1414

■ 25.5335, 25.7132,
15.1978

■ 21.3495, 19.9659,
5.7238

■ 27.3385, 27.9803,
19.9396

■ 20.3271, 18.3803,
3.9673

■ 29.3653, 30.4325,
25.5517

■ 19.4678, 16.9474,
2.8004

■ 31.6226, 33.0751,
32.0756

■ 18.7428, 15.6538,
2.0767

■ 34.1189, 35.9130,
39.5502

■ 18.6788, 15.5388,
2.0148

■ 36.8619, 38.9508,
48.0122

■ 39.8593, 42.1932,
57.4962

■ 43.1180, 45.6445,
68.0353

■ 46.6450, 49.3089,
79.6608

Harmonies

Analogous

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



27.2572, 23.6246, 14.1271



23.9401, 23.6246, 11.2809



20.5344, 23.6246, 11.5144

Triad

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



23.9401, 23.6246, 11.2809



16.6980, 23.6246, 31.8125



27.6956, 23.6246, 40.8672

Complementary

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



23.9401, 23.6246, 11.2809



16.0432, 16.6279, 36.0820

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.



24.4906, 23.6246, 48.4582



23.9401, 23.6246, 11.2809



18.2519, 23.6246, 42.3800

Square

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



23.9401, 23.6246, 11.2809



16.5831, 23.6246, 21.7796



21.0316, 23.6246, 49.0736



29.5700, 23.6246, 30.1161

Rectangle

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



23.9401, 23.6246, 11.2809



18.6657, 23.6246, 13.3806



21.0316, 23.6246, 49.0736



26.7241, 23.6246, 43.9806

Sweetspot

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



23.9407, 23.6257, 11.2814



54.0719, 56.2533, 49.9882



20.8813, 14.8783, 18.3657



11.6880, 12.1358, 10.4738



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.



23.9407, 23.6257, 11.2814



40.1457, 38.5454, 14.0715



27.9266, 33.1402, 12.9078



7.4003, 7.7389, 7.4838



14.9591, 12.4922, 1.6228



0.3595, 0.3528, 0.0492

Inverse Universe

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



16.0432, 16.6279, 36.0820



24.3166, 24.5391, 63.8414



13.4060, 10.6472, 35.0666



6.9322, 7.3234, 8.9513



6.7911, 5.3616, 27.6067



0.1889, 0.2050, 0.5955

Previews

White Background



This preview shows how the XYZ color 23.9401, 23.6246, 11.2809 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9401, 23.6246, 11.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

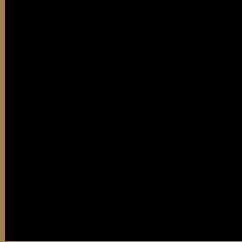
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9401, 23.6246, 11.2809

Background



This preview shows how black text looks on a background with the XYZ color 23.9401, 23.6246, 11.2809.



This preview shows how white text looks on a background with the XYZ color 23.9401, 23.6246,

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

23.9401, 23.6246, 11.2809

Protanopia

21.9794, 23.8013, 11.8232

Deuteranopia

24.1425, 23.7289, 11.2903



Tritanopia

26.5733, 23.5571, 24.6191

Trichromacy



Original Color

23.9401, 23.6246, 11.2809

Protanomaly

22.5751, 23.7064, 11.5696

Deuteranomaly

24.1425, 23.7289, 11.2903

Tritanomaly

25.4981, 23.5001, 18.8149

Monochromacy



Original Color

23.9401, 23.6246, 11.2809

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4813, 23.2871, 19.2296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9401, 23.6246, 11.2809 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(161, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(161, 128, 82)  
}
```

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(161, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 128, 82) }
```

Border

The CSS property to change the border of an element to XYZ 23.9401, 23.6246, 11.2809 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(161, 128, 82) }
```


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

```
.border{ border-color:rgb(161, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(161, 128,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9401, 23.6246, 11.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 128, 82) }
```

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

```
.background{ background-color: rgb(161,  
128, 82) }
```

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