

Converting Colors

XYZ(23.0726, 43.7776, 14.9897)

Have a look what the booklet for
XYZ(23.0726, 43.7776, 14.9897)
contains.

XYZ(23.0781, 43.7798, 15.0186)	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(23.0781, 43.7798,
15.0186)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC51
RGB	0, 204, 81
RGB Percent	0%, 80%, 32%
CMY	1.0000, 0.2000, 0.6823
CMYK	1.00, 0.00, 0.60, 0.20
HSL	144°, 100%, 40%
HSV	144°, 100%, 80%
XYZ	23.0781, 43.7798, 15.0186
YIQ	128.9820, -82.1010, -81.5010

Conversions

Conversions Part 2

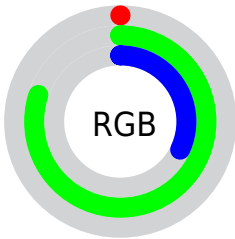
Format	Color
RYB	0, 146, 204
Decimal	52305
CIELab	72.08, -67.73, 48.53
CIELCh	72, 83.320, 144.379
Yxy	43.7798, 0.2819, 0.5347
Android (android.graphics.Color)	4278242385 (0xFF00CC51)
YUV	128.9820, -23.6551, -113.1172
Hunter-Lab	66.1663, -53.5321, 32.8586

Details

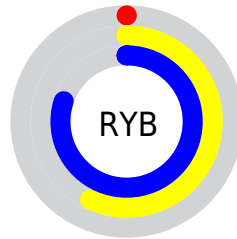
The XYZ color **23.0781, 43.7798, 15.0186** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.4787, 14.2684, 19.9952**, and the grayscale version is **20.9626, 22.0542, 24.0171**.

A 20% lighter version of the original color is **45.5426, 76.0660, 34.8361**, and **10.7764, 21.2544, 4.5118** is the 20% darker color. If you saturate the color by 10%, you get **23.0788, 43.7814, 15.0184**, and if you desaturate by 10%, it is **23.8799, 44.1362, 17.6873**.

Distribution



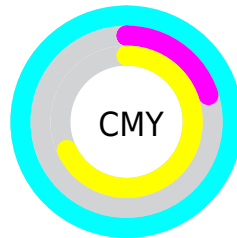
- Red (0%)
- Green (80%)
- Blue (32%)



- Red (0%)
- Yellow (57%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0781, 43.7798, 15.0186 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 23.0781, 43.7798, 15.0186 by changing the saturation by 10% instead.

■ 23.0781, 43.7798,
15.0186

■ 23.0781, 43.7798,
15.0186

260.6537,
361.8089, 235.1234

■ 14.7722, 30.4974,
8.6857

■ 47.9872, 80.8863,
35.6286

■ 8.7449, 20.2165,
4.4427

■ 65.3212, 105.4792,
50.7427

■ 4.6310, 12.5525,
1.8712

■ 86.3952, 134.6111,
69.6210

■ 2.0649, 7.1211,
0.4743

■ 111.5747,
168.6664, 92.6819

■ 0.6700, 3.5380,
0.0000

■ 141.2249,
208.0294, 120.3441

■ 0.0000, 1.4186,
0.0000

175.7112,

■ 0.0000, 0.2304,

253.0845, 153.0261

0.0000

215.3991,
304.2163, 191.1463

■ 0.0000, 0.0000,
0.0000

■ 23.0781, 43.7798,
15.0186

■ 23.0781, 43.7798,
15.0186

■ 23.0788, 43.7814,
15.0184

■ 23.8799, 44.1362,
17.6873

■ 25.0816, 44.6873,
20.8318

■ 26.7956, 45.4920,
24.4786

■ 29.0828, 46.5811,
28.6499

■ 31.9952, 47.9811,
33.3660

■ 35.5784, 49.7152,
38.6463

■ 39.8740, 51.8043,
44.5092

■ 44.9197, 54.2676,
50.9719

■ 50.7505, 57.1229,
58.0513

Harmonies

Analogous

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



31.2966, 43.7798, 5.9682



23.0781, 43.7798, 15.0186



19.8682, 43.7798, 40.3891

Triad

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



23.0781, 43.7798, 15.0186



38.9852, 43.7798, 176.1457



71.8851, 43.7798, 22.0635

Complementary

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



23.0781, 43.7798, 15.0186



28.4787, 14.2684, 19.9952

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.



75.2639, 43.7798, 55.7744



23.0781, 43.7798, 15.0186



53.9749, 43.7798, 160.7952

Square

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



23.0781, 43.7798, 15.0186



27.6079, 43.7798, 144.1217



68.0904, 43.7798, 109.5236



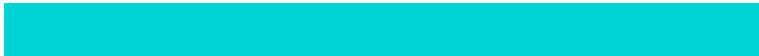
59.6939, 43.7798, 8.1056

Rectangle

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



23.0781, 43.7798, 15.0186



20.3153, 43.7798, 69.9282



68.0904, 43.7798, 109.5236



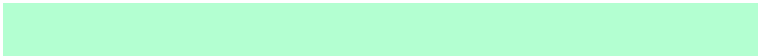
74.1906, 43.7798, 30.7186

Sweetspot

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



23.0792, 43.7816, 15.0196



65.7280, 85.6414, 73.3058



30.1694, 47.6083, 7.5995



13.3908, 18.0009, 14.7808



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.0792, 43.7816, 15.0196



38.1210, 72.4644, 24.3528



29.8529, 46.4911, 50.6895



11.2495, 12.6095, 12.8711



14.5686, 27.5727, 9.6791



0.7887, 1.4373, 0.6948

Inverse Universe

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



28.4787, 14.2684, 19.9952



47.0523, 23.5849, 32.5373



25.0658, 12.9032, 2.0233



11.4916, 11.3254, 13.1233



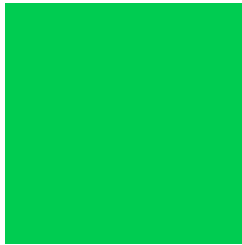
17.9709, 8.9989, 12.8313



0.9639, 0.4790, 0.8556

Previews

White Background



This preview shows how the XYZ color 23.0781, 43.7798, 15.0186 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 23.0781, 43.7798, 15.0186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

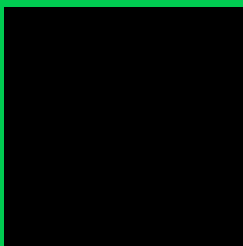
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0781, 43.7798, 15.0186

Background



This preview shows how black text looks on a background with the XYZ color 23.0781, 43.7798, 15.0186.



This preview shows how white text looks on a background with the XYZ color 23.0781, 43.7798,

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

23.0781, 43.7798, 15.0186

Protanopia

39.2007, 43.1206, 12.3879

Deuteranopia

43.7748, 42.8572, 16.0903



Tritanopia

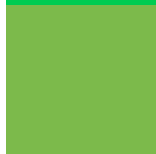
33.2866, 43.5159, 65.6765

Trichromacy



Original Color

23.0781, 43.7798, 15.0186



Protanomaly

27.1411, 39.9109, 12.9297



Deuteranomaly

28.3992, 38.6655, 15.1989



Tritanomaly

27.5891, 42.7831, 40.5221

Monochromacy



Original Color

23.0781, 43.7798, 15.0186



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.2928, 26.7406, 19.5266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0781, 43.7798, 15.0186 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(0, 204, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 81)  
}
```

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(0, 204, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 81) }
```

Border

The CSS property to change the border of an element to XYZ 23.0781, 43.7798, 15.0186 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(0, 204, 81) }
```


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

```
.border{ border-color:rgb(0, 204, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0781, 43.7798, 15.0186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 81) }
```

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

```
.background{ background-color: rgb(0, 204,  
81) }
```

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