

Converting Colors

XYZ(22.9822, 45.0949, 10.3387)

Have a look what the booklet for
XYZ(22.9822, 45.0949, 10.3387)
contains.

XYZ(23.0894, 45.3252, 10.3280)	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(23.0894, 45.3252,
10.3280)**

Conversions

Conversions Part 1

Format	Color
Hex	00D030
RGB	0, 208, 48
RGB Percent	0%, 82%, 19%
CMY	1.0000, 0.1843, 0.8117
CMYK	1.00, 0.00, 0.77, 0.18
HSL	134°, 100%, 41%
HSV	134°, 100%, 82%
XYZ	23.0894, 45.3252, 10.3280
YIQ	127.5680, -72.6080, -93.8560

Conversions

Conversions Part 2

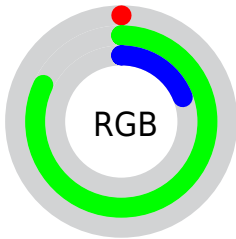
Format	Color
RYB	0, 169, 208
Decimal	53296
CIELab	73.11, -72.09, 62.42
CIELCh	73, 95.361, 139.114
Yxy	45.3252, 0.2932, 0.5756
Android (android.graphics.Color)	4278243376 (0xFF00D030)
YUV	127.5680, -39.2270, -111.8771
Hunter-Lab	67.3240, -56.5987, 38.0313

Details

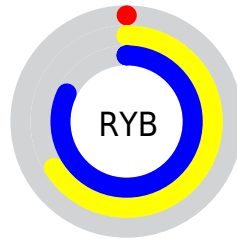
The XYZ color **23.0894, 45.3252, 10.3280** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.3586, 15.9485, 34.6304**, and the grayscale version is **20.5188, 21.5874, 23.5087**.

A 20% lighter version of the original color is **44.1355, 75.5432, 25.6197**, and **11.2282, 22.4565, 3.7427** is the 20% darker color. If you saturate the color by 10%, you get **23.0904, 45.3270, 10.3288**, and if you desaturate by 10%, it is **23.7875, 45.6411, 12.4073**.

Distribution



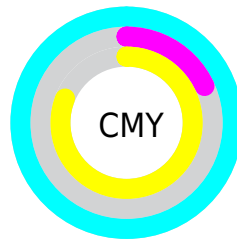
- Red (0%)
- Green (82%)
- Blue (19%)



- Red (0%)
- Yellow (66%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0894, 45.3252, 10.3280 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 23.0894, 45.3252, 10.3280 by changing the saturation by 10% instead.


 23.0894, 45.3252,
10.3280


 23.0894, 45.3252,
10.3280


260.7106,
368.0890, 203.5664


 14.7806, 31.7137,
5.5085


 48.0057, 83.2082,
27.0280


 8.7509, 21.1429,
2.4847


 65.3438, 108.2484,
39.7457


 4.6348, 13.2285,
0.8320


 86.4225, 137.8670,
55.9331

 2.0672, 7.5861,
0.0000

 111.6070,
172.4483, 76.0089

 0.6713, 3.8312,
0.0000

 141.2627,
212.3768, 100.3916

 0.0000, 1.5796,
0.0000

 175.7550,

 0.0000, 0.3438,

258.0368, 129.4997

0.0000

215.4491,
309.8128, 163.7518

■ 0.0000, 0.0000,
0.0000

■ 23.0894, 45.3252,
10.3280

■ 23.0894, 45.3252,
10.3280

■ 23.0904, 45.3270,
10.3288

■ 23.7875, 45.6411,
12.4073

■ 24.9437, 46.1768,
15.1890

■ 26.6804, 46.9955,
18.7327

■ 29.0671, 48.1319,
23.0894

■ 32.1629, 49.6156,
28.3058

■ 36.0203, 51.4727,
34.4247

■ 40.6864, 53.7267,
41.4863

■ 46.2049, 56.3993,
49.5282

■ 52.6158, 59.5104,
58.5860

Harmonies

Analogous

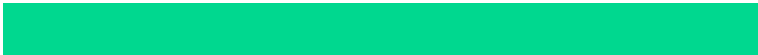
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4038, 45.3252, 3.4893



23.0894, 45.3252, 10.3280



18.6275, 45.3252, 33.9510

Triad

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



23.0894, 45.3252, 10.3280



37.2999, 45.3252, 205.7844



81.0691, 45.3252, 24.9607

Complementary

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



23.0894, 45.3252, 10.3280



32.3586, 15.9485, 34.6304

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.



82.8992, 45.3252, 68.8208



23.0894, 45.3252, 10.3280



54.4653, 45.3252, 197.0685

Square

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



23.0894, 45.3252, 10.3280



25.3050, 45.3252, 156.5336



72.1786, 45.3252, 137.2547



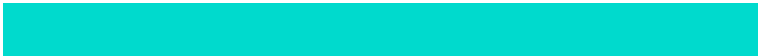
67.6825, 45.3252, 7.3776

Rectangle

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



23.0894, 45.3252, 10.3280



18.5292, 45.3252, 65.3870



72.1786, 45.3252, 137.2547



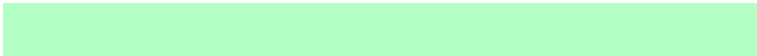
83.1660, 45.3252, 36.1786

Sweetspot

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



23.0905, 45.3271, 10.3290



64.2165, 85.0368, 65.3464



37.6481, 52.8935, 8.2253



13.0393, 17.8603, 12.9297



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.



23.0905, 45.3271, 10.3290



36.5456, 71.8342, 16.0567



27.9872, 47.2858, 36.1151



11.7665, 13.2503, 13.1267



14.4217, 28.2616, 6.6007



0.8376, 1.5927, 0.5337

Inverse Universe

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



32.3586, 15.9485, 34.6304



51.2208, 25.2523, 54.4881



26.8013, 13.7256, 5.3657



12.1892, 11.9604, 14.2722



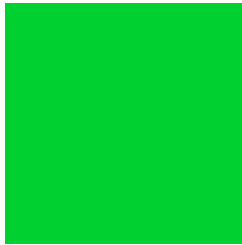
20.2054, 9.9550, 21.7856



1.1589, 0.5683, 1.3716

Previews

White Background



This preview shows how the XYZ color 23.0894, 45.3252, 10.3280 looks on a white background.

Color Contrast Check

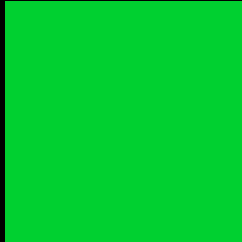
Large Text (above 18pt) WCAG AA × Fail

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 23.0894, 45.3252, 10.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

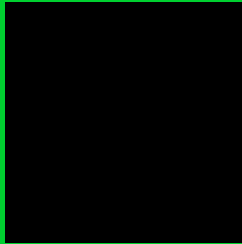
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0894, 45.3252, 10.3280

Background



This preview shows how black text looks on a background with the XYZ color 23.0894, 45.3252, 10.3280.



This preview shows how white text looks on a background with the XYZ color 23.0894, 45.3252,

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

23.0894, 45.3252, 10.3280

Protanopia

40.1228, 44.2734, 8.4384

Deuteranopia

45.2663, 44.2872, 11.1635



Tritanopia

34.7624, 45.2151, 67.8680

Trichromacy



Original Color

23.0894, 45.3252, 10.3280



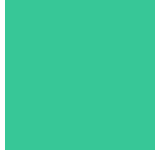
Protanomaly

27.3860, 41.0816, 8.7717



Deuteranomaly

28.7074, 39.8455, 10.3156



Tritanomaly

27.5849, 43.8934, 36.2966

Monochromacy



Original Color

23.0894, 45.3252, 10.3280



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.7024, 26.7641, 16.0374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0894, 45.3252, 10.3280 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, 208, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 48)  
}
```

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, 208, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 48) }
```

Border

The CSS property to change the border of an element to XYZ 23.0894, 45.3252, 10.3280 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, 208, 48) }
```


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

```
.border{ border-color:rgb(0, 208, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 208, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0894, 45.3252, 10.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 48) }
```

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

```
.background{ background-color: rgb(0, 208,  
48) }
```

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