

Converting Colors

XYZ(23.7446, 44.7184, 7.3801)

Have a look what the booklet for
XYZ(23.7446, 44.7184, 7.3801)
contains.

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Color

**XYZ(23.6948, 44.6233,
7.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	3CCD00
RGB	60, 205, 0
RGB Percent	24%, 80%, 0%
CMY	0.7647, 0.1961, 0.9999
CMYK	0.71, 0.00, 1.00, 0.20
HSL	102°, 100%, 40%
HSV	102°, 100%, 80%
XYZ	23.6948, 44.6233, 7.3643
YIQ	138.2750, -20.6150, -94.4950

Conversions

Conversions Part 2

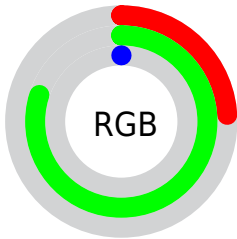
Format	Color
RYB	0, 205, 145
Decimal	3984640
CIELab	72.64, -67.40, 71.35
CIELCh	73, 98.147, 133.370
Yxy	44.6233, 0.3131, 0.5896
Android (android.graphics.Color)	4282174720 (0xFF3CCD00)
YUV	138.2750, -68.1696, -68.6472
Hunter-Lab	66.8007, -53.5856, 40.2242

Details

The XYZ color **23.6948, 44.6233, 7.3643** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **22.7021, 10.4307, 58.5768**, and the grayscale version is **24.5229, 25.8000, 28.0962**.

A 20% lighter version of the original color is **46.3363, 76.7963, 20.3636**, and **10.7474, 21.4949, 3.5825** is the 20% darker color. If you saturate the color by 10%, you get **23.6947, 44.6246, 7.3646**, and if you desaturate by 10%, it is **24.8261, 45.1927, 8.1011**.

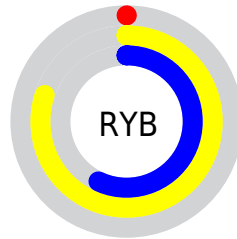
Distribution



Red (24%)

Green (80%)

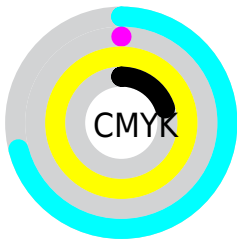
Blue (0%)



Red (0%)

Yellow (80%)

Blue (57%)

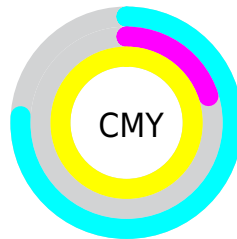


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6948, 44.6233, 7.3643 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 23.6948, 44.6233, 7.3643 by changing the saturation by 10% instead.


 23.6948, 44.6233,
7.3643


 23.6948, 44.6233,
7.3643


263.7430,
365.2458, 180.4015


 15.2309, 31.1608,
3.6091


 48.9900, 82.1548,
21.2276


 9.0690, 20.7213,
1.4134


 66.5520, 106.9927,
32.1728


 4.8437, 12.9205,
0.1522


 87.8774, 136.3911,
46.3518

 2.1896, 7.3738,
0.0000

 113.3316,
170.7345, 64.1830

 0.7373, 3.6970,
0.0000

 143.2799,
210.4073, 86.0851

 0.0000, 1.5055,
0.0000

 178.0877,

 0.0000, 0.2926,

255.7938, 112.4765

0.0000

218.1203,
307.2785, 143.7758

■ 0.0000, 0.0000,
0.0000

■ 23.6948, 44.6233,
7.3643

■ 23.6948, 44.6233,
7.3643

■ 23.6947, 44.6246,
7.3646

■ 24.8261, 45.1927,
8.1011

■ 26.3531, 45.9488,
9.5801

■ 28.3405, 46.9207,
12.0522

■ 30.8285, 48.1262,
15.6521

■ 33.8523, 49.5810,
20.4933

■ 37.4438, 51.2993,
26.6756

■ 41.6319, 53.2942,
34.2886

■ 46.4437, 55.5778,
43.4143

■ 51.9042, 58.1613,
54.1281

Harmonies

Analogous

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



35.2952, 44.6233, 2.5667



23.6948, 44.6233, 7.3643



18.1715, 44.6233, 26.4201

Triad

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



23.6948, 44.6233, 7.3643



33.7300, 44.6233, 204.7863



82.8205, 44.6233, 29.9969

Complementary

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



23.6948, 44.6233, 7.3643



22.7021, 10.4307, 58.5768

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.



82.0710, 44.6233, 80.6010



23.6948, 44.6233, 7.3643



50.4289, 44.6233, 208.4034

Square

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



23.6948, 44.6233, 7.3643



22.8142, 44.6233, 145.3811



69.0498, 44.6233, 153.3404



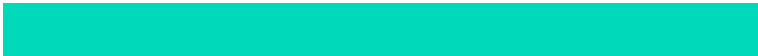
70.8852, 44.6233, 8.4873

Rectangle

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



23.6948, 44.6233, 7.3643



17.4368, 44.6233, 54.3003



69.0498, 44.6233, 153.3404



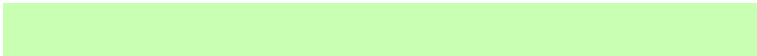
84.1230, 44.6233, 43.2896

Sweetspot

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



23.6958, 44.6252, 7.3653



67.9023, 87.1559, 55.6271



35.0772, 32.7780, 4.4787



13.8844, 18.3459, 10.7124



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.



23.6958, 44.6252, 7.3653



38.6314, 73.0003, 12.0544



22.2331, 43.8249, 9.3868



11.3714, 12.6933, 11.9302



14.8333, 27.8222, 4.5884



0.8417, 1.4747, 0.2403

Inverse Universe

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



22.7021, 10.4307, 58.5768



36.9629, 16.9699, 95.9351



31.8797, 15.6608, 36.4682



11.3554, 11.2325, 14.1400



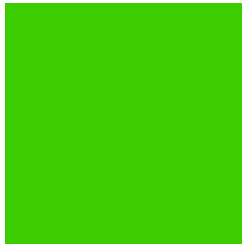
14.2301, 6.5434, 36.4693



0.8074, 0.3754, 1.8848

Previews

White Background



This preview shows how the XYZ color 23.6948, 44.6233, 7.3643 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 23.6948, 44.6233, 7.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

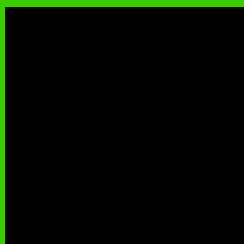
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6948, 44.6233, 7.3643

Background



This preview shows how black text looks on a background with the XYZ color 23.6948, 44.6233, 7.3643.



This preview shows how white text looks on a background with the XYZ color 23.6948, 44.6233,

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

23.6948, 44.6233, 7.3643

Protanopia

39.2753, 43.5864, 6.3430

Deuteranopia

44.5815, 43.7167, 8.4713



Tritanopia

35.2509, 44.5426, 65.1322

Trichromacy



Original Color

23.6948, 44.6233, 7.3643



Protanomaly

29.9831, 41.8365, 6.4950



Deuteranomaly

31.8377, 40.9181, 7.3186



Tritanomaly

27.7671, 43.1448, 28.3370

Monochromacy



Original Color

23.6948, 44.6233, 7.3643



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.1122, 29.8602, 13.8834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6948, 44.6233, 7.3643 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(60, 205, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 205, 0)  
}
```

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(60, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 205, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.6948, 44.6233, 7.3643 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(60, 205, 0) }
```


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

```
.border{ border-color:rgb(60, 205, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 205, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 205, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6948, 44.6233, 7.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 205, 0) }
```

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

```
.background{ background-color: rgb(60, 205,  
0) }
```

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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