

Converting Colors

XYZ(23.3270, 44.0797, 7.2788)

Have a look what the booklet for
XYZ(23.3270, 44.0797, 7.2788)
contains.

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Color

**XYZ(23.3378, 44.0853,
7.2793)**

Conversions

Conversions Part 1

Format	Color
Hex	3ACC00
RGB	58, 204, 0
RGB Percent	23%, 80%, 0%
CMY	0.7726, 0.2000, 0.9999
CMYK	0.72, 0.00, 1.00, 0.20
HSL	103°, 100%, 40%
HSV	103°, 100%, 80%
XYZ	23.3378, 44.0853, 7.2793
YIQ	137.0900, -21.5320, -94.3960

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 146
Decimal	3853312
CIELab	72.29, -67.45, 71.04
CIELCh	72, 97.960, 133.511
Yxy	44.0853, 0.3124, 0.5901
Android (android.graphics.Color)	4282043392 (0xFF3ACC00)
YUV	137.0900, -67.5854, -69.3619
Hunter-Lab	66.3968, -53.4534, 39.9776

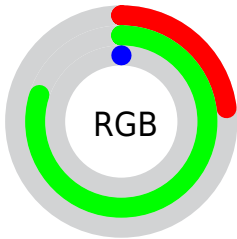
Details

The XYZ color **23.3378, 44.0853, 7.2793** 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 **22.7589, 10.4739, 57.9513**, and the grayscale version is **24.0676, 25.3210, 27.5745**.

A 20% lighter version of the original color is **46.0354, 76.6412, 20.3496**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **23.3377, 44.0866, 7.2795**, and if you desaturate by 10%, it is **24.4414, 44.6406, 8.0101**.

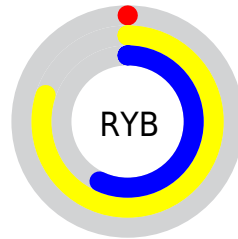
Distribution



Red (23%)

Green (80%)

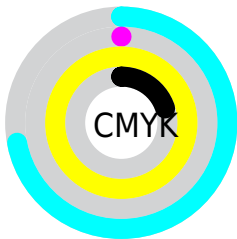
Blue (0%)



Red (0%)

Yellow (80%)

Blue (57%)

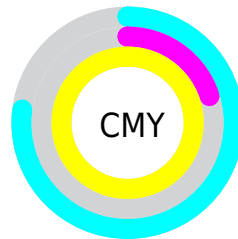


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (77%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3378, 44.0853, 7.2793 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 23.3378, 44.0853, 7.2793 by changing the saturation by 10% instead.


 23.3378, 44.0853,
7.2793


 23.3378, 44.0853,
7.2793


261.9583,
363.0562, 179.6828


 14.9652, 30.7376,
3.5563


 48.4100, 81.3461,
21.0553


 8.8811, 20.3991,
1.3852


 65.8403, 106.0279,
31.9454

 4.7202, 12.6855,
0.1302


 87.0205, 135.2566,
46.0615

 2.1171, 7.2123,
0.0000

 112.3161,
169.4165, 63.8223

 0.6985, 3.5952,
0.0000

 142.0923,
208.8920, 85.6463

 0.0000, 1.4498,
0.0000

 176.7145,

 0.0000, 0.2530,

254.0676, 111.9520

0.0000

216.5480,
305.3275, 143.1580

■ 0.0000, 0.0000,
0.0000

■ 23.3378, 44.0853,
7.2793

■ 23.3378, 44.0853,
7.2793

■ 23.3377, 44.0866,
7.2795

■ 24.4414, 44.6406,
8.0101

■ 25.9405, 45.3825,
9.4743

■ 27.8997, 46.3404,
11.9209

■ 30.3594, 47.5321,
15.4827

■ 33.3550, 48.9735,
20.2720

■ 36.9184, 50.6789,
26.3874

■ 41.0788, 52.6612,
33.9175

■ 45.8632, 54.9329,
42.9431

■ 51.2969, 57.5051,
53.5390

Harmonies

Analogous

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



34.7870, 44.0853, 2.5163



23.3378, 44.0853, 7.2793



17.9019, 44.0853, 26.2098

Triad

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



23.3378, 44.0853, 7.2793



33.3720, 44.0853, 202.9818



81.8980, 44.0853, 29.4416

Complementary

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



23.3378, 44.0853, 7.2793



22.7589, 10.4739, 57.9513

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.



81.2195, 44.0853, 79.4021



23.3378, 44.0853, 7.2793



49.9259, 44.0853, 206.2584

Square

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



23.3378, 44.0853, 7.2793



22.5422, 44.0853, 144.2552



68.3631, 44.0853, 151.4630



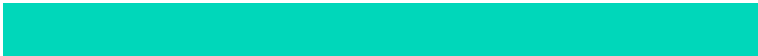
70.0241, 44.0853, 8.2912

Rectangle

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



23.3378, 44.0853, 7.2793



17.1911, 44.0853, 53.9039



68.3631, 44.0853, 151.4630



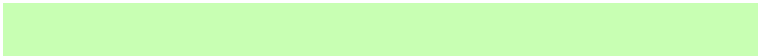
83.2100, 44.0853, 42.5463

Sweetspot

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



23.3388, 44.0872, 7.2803



67.7306, 87.0673, 55.6191



34.6970, 32.4259, 4.4308



13.8445, 18.3253, 10.7105



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.



23.3388, 44.0872, 7.2803



38.4682, 72.9161, 12.0467



21.9912, 43.3466, 9.2891



11.3625, 12.6888, 11.9297



14.7682, 27.7886, 4.5854



0.8374, 1.4725, 0.2401

Inverse Universe

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



22.7589, 10.4739, 57.9513



37.4653, 17.2289, 95.9586



31.5327, 15.4902, 36.0760



11.3647, 11.2373, 14.1404



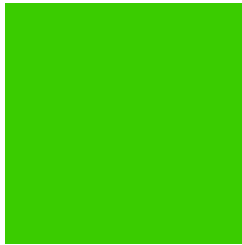
14.4185, 6.6405, 36.4781



0.8160, 0.3798, 1.8852

Previews

White Background



This preview shows how the XYZ color 23.3378, 44.0853, 7.2793 looks on a white background.

Color Contrast Check

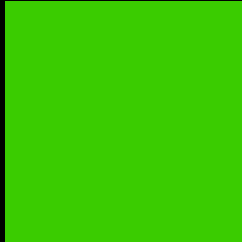
Large Text (above 18pt) WCAG AA × Fail

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 23.3378, 44.0853, 7.2793 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 23.3378, 44.0853, 7.2793

Background



This preview shows how black text looks on a background with the XYZ color 23.3378, 44.0853, 7.2793.



This preview shows how white text looks on a background with the XYZ color 23.3378, 44.0853,

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

23.3378, 44.0853, 7.2793

Protanopia

38.8140, 43.0564, 6.2650

Deuteranopia

44.0921, 43.1914, 8.3957



Tritanopia

34.7997, 44.0014, 64.4166

Trichromacy



Original Color

23.3378, 44.0853, 7.2793



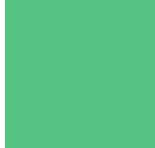
Protanomaly

29.5915, 41.3209, 6.4161



Deuteranomaly

31.4312, 40.4077, 7.2415



Tritanomaly

27.2907, 42.5732, 27.8982

Monochromacy



Original Color

23.3378, 44.0853, 7.2793



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.6495, 29.3660, 13.5967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3378, 44.0853, 7.2793 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(58, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 204, 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(58, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.3378, 44.0853, 7.2793 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(58, 204, 0) }
```


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

```
.border{ border-color:rgb(58, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(58, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3378, 44.0853, 7.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 204, 0) }
```

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

```
.background{ background-color: rgb(58, 204,  
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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