

Converting Colors

XYZ(23.5321, 44.1872, 7.2894)

Have a look what the booklet for
XYZ(23.5321, 44.1872, 7.2894)
contains.

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Color

**XYZ(23.5173, 44.1778,
7.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCC00
RGB	61, 204, 0
RGB Percent	24%, 80%, 0%
CMY	0.7608, 0.2000, 0.9999
CMYK	0.70, 0.00, 1.00, 0.20
HSL	102°, 100%, 40%
HSV	102°, 100%, 80%
XYZ	23.5173, 44.1778, 7.2877
YIQ	137.9870, -19.7440, -93.7600

Conversions

Conversions Part 2

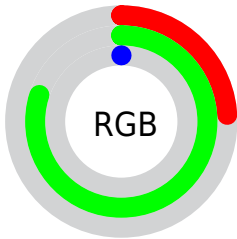
Format	Color
RYB	0, 204, 143
Decimal	4049920
CIELab	72.35, -66.91, 71.12
CIELCh	72, 97.647, 133.253
Yxy	44.1778, 0.3136, 0.5892
Android (android.graphics.Color)	4282240000 (0xFF3DCC00)
YUV	137.9870, -68.0276, -67.5176
Hunter-Lab	66.4664, -53.1589, 40.0256

Details

The XYZ color **23.5173, 44.1778, 7.2877** 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 **22.2325, 10.2026, 57.9266**, and the grayscale version is **24.4114, 25.6827, 27.9685**.

A 20% lighter version of the original color is **46.3363, 76.7963, 20.3636**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **23.5171, 44.1791, 7.2879**, and if you desaturate by 10%, it is **24.6491, 44.7476, 8.0198**.

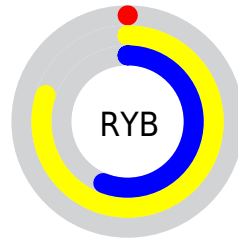
Distribution



Red (24%)

Green (80%)

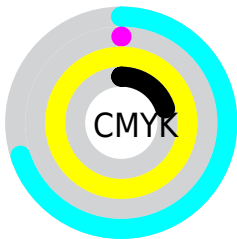
Blue (0%)



Red (0%)

Yellow (80%)

Blue (56%)

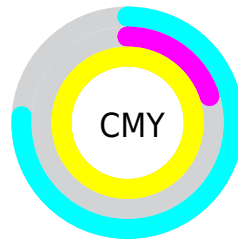


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5173, 44.1778, 7.2877 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 23.5173, 44.1778, 7.2877 by changing the saturation by 10% instead.


 23.5173, 44.1778,
7.2877


 23.5173, 44.1778,
7.2877


262.8569,
363.4333, 179.7539


 15.0987, 30.8103,
3.5615


 48.7018, 81.4852,
21.0723

 8.9755, 20.4544,
1.3880


 66.1984, 106.1939,
31.9679

 4.7822, 12.7258,
0.1323


 87.4518, 135.4519,
46.0902

 2.1535, 7.2400,
0.0000

 112.8272,
169.6434, 63.8580

 0.7180, 3.6127,
0.0000

 142.6901,
209.1529, 85.6897

 0.0000, 1.4593,
0.0000

 177.4058,

 0.0000, 0.2598,

254.3648, 112.0039

0.0000

217.3396,
305.6635, 143.2192

■ 0.0000, 0.0000,
0.0000

■ 23.5173, 44.1778,
7.2877

■ 23.5173, 44.1778,
7.2877

■ 23.5171, 44.1791,
7.2879

■ 24.6491, 44.7476,
8.0198

■ 26.1689, 45.5002,
9.4850

■ 28.1401, 46.4643,
11.9322

■ 30.6020, 47.6572,
15.4941

■ 33.5890, 49.0941,
20.2830

■ 37.1321, 50.7890,
26.3975

■ 41.2596, 52.7544,
33.9260

■ 45.9979, 55.0023,
42.9494

■ 51.3715, 57.5436,
53.5426

Harmonies

Analogous

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



35.0112, 44.1778, 2.5574



23.5173, 44.1778, 7.2877



18.0318, 44.1778, 26.0672

Triad

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



23.5173, 44.1778, 7.2877



33.3531, 44.1778, 202.1934



81.9309, 44.1778, 29.8581

Complementary

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



23.5173, 44.1778, 7.2877



22.2325, 10.2026, 57.9266

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.



81.1377, 44.1778, 79.9842



23.5173, 44.1778, 7.2877



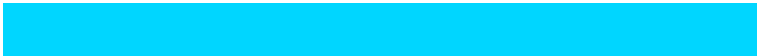
49.8388, 44.1778, 206.0188

Square

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



23.5173, 44.1778, 7.2877



22.5839, 44.1778, 143.4130



68.2401, 44.1778, 151.8328



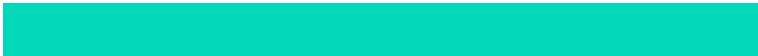
70.1829, 44.1778, 8.4807

Rectangle

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



23.5173, 44.1778, 7.2877



17.2920, 44.1778, 53.5454



68.2401, 44.1778, 151.8328



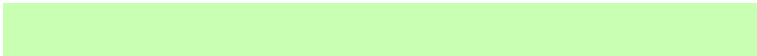
83.1994, 44.1778, 43.0408

Sweetspot

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



23.5183, 44.1797, 7.2887



68.0326, 87.2230, 55.6332



34.6970, 32.4259, 4.4308



13.9146, 18.3615, 10.7138



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.



23.5183, 44.1797, 7.2887



38.7585, 73.0658, 12.0603



21.9912, 43.3465, 9.2891



11.3781, 12.6968, 11.9305



14.8840, 27.8483, 4.5908



0.8450, 1.4764, 0.2404

Inverse Universe

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



22.2325, 10.2026, 57.9266



36.5881, 16.7768, 95.9176



31.5326, 15.4902, 36.0760



11.3483, 11.2289, 14.1396



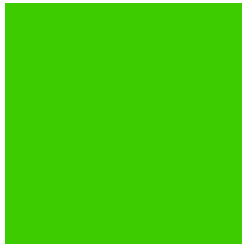
14.0895, 6.4709, 36.4627



0.8010, 0.3721, 1.8845

Previews

White Background



This preview shows how the XYZ color 23.5173, 44.1778, 7.2877 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 23.5173, 44.1778, 7.2877 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 23.5173, 44.1778, 7.2877

Background



This preview shows how black text looks on a background with the XYZ color 23.5173, 44.1778, 7.2877.



This preview shows how white text looks on a background with the XYZ color 23.5173, 44.1778,

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

23.5173, 44.1778, 7.2877

Protanopia

39.0785, 43.1928, 6.2774

Deuteranopia

44.0736, 43.1840, 8.2979



Tritanopia

34.9124, 44.0595, 64.4219

Trichromacy



Original Color

23.5173, 44.1778, 7.2877



Protanomaly

29.9533, 41.5074, 6.4330



Deuteranomaly

31.6233, 40.5082, 7.1890



Tritanomaly

27.4749, 42.6682, 27.9068

Monochromacy



Original Color

23.5173, 44.1778, 7.2877



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 23.5173, 44.1778, 7.2877 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(61, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.5173, 44.1778, 7.2877 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(61, 204, 0) }
```


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

```
.border{ border-color:rgb(61, 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(61, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5173, 44.1778, 7.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 0) }
```

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

```
.background{ background-color: rgb(61, 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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