

Converting Colors

XYZ(23.3269, 46.0748, 7.6639)

Have a look what the booklet for
XYZ(23.3269, 46.0748, 7.6639)
contains.

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Color

**XYZ(23.4475, 46.2999,
7.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	19D200
RGB	25, 210, 0
RGB Percent	10%, 82%, 0%
CMY	0.9020, 0.1765, 0.9999
CMYK	0.88, 0.00, 1.00, 0.18
HSL	113°, 100%, 41%
HSV	113°, 100%, 82%
XYZ	23.4475, 46.2999, 7.7010
YIQ	130.7450, -42.8500, -104.5300

Conversions

Conversions Part 2

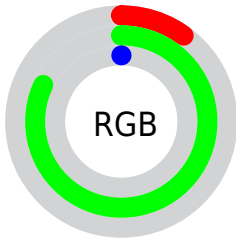
Format	Color
RYB	0, 210, 185
Decimal	1692160
CIELab	73.74, -73.22, 72.01
CIELCh	74, 102.702, 135.477
Yxy	46.2999, 0.3027, 0.5978
Android (android.graphics.Color)	4279882240 (0xFF19D200)
YUV	130.7450, -64.4573, -92.7384
Hunter-Lab	68.0440, -57.5672, 40.9206

Details

The XYZ color **23.4475, 46.2999, 7.7010** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.6489, 14.9721, 62.1971**, and the grayscale version is **21.7179, 22.8489, 24.8825**.

A 20% lighter version of the original color is **44.1314, 75.6552, 20.4606**, and **11.5556, 23.1112, 3.8519** is the 20% darker color. If you saturate the color by 10%, you get **23.4479, 46.3015, 7.7013**, and if you desaturate by 10%, it is **24.2006, 46.6739, 8.4442**.

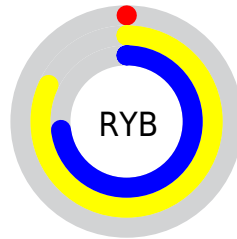
Distribution



Red (10%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (73%)

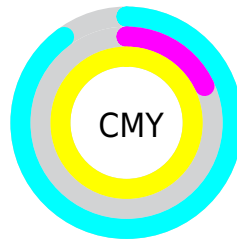


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (90%)

Magenta (18%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4475, 46.2999, 7.7010 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 23.4475, 46.2999, 7.7010 by changing the saturation by 10% instead.

■ 23.4475, 46.2999,
7.7010

■ 23.4475, 46.2999,
7.7010

262.5078,
372.0130, 183.2138

■ 15.0468, 32.4825,
3.8192

■ 48.5884, 84.6676,
21.9066

■ 8.9388, 21.7303,
1.5267

■ 66.0592, 109.9868,
33.0674

■ 4.7581, 13.6589,
0.2377

■ 87.2842, 139.9087,
47.4917

■ 2.1393, 7.8838,
0.0000

■ 112.6286,
174.8178, 65.5980

■ 0.7104, 4.0207,
0.0000

■ 142.4578,
215.0983, 87.8048

■ 0.0000, 1.6851,
0.0000

■ 177.1372,

■ 0.0000, 0.4140,

261.1348, 114.5307

0.0000

217.0320,
313.3116, 146.1942

■ 0.0000, 0.0000,
0.0000

■ 23.4475, 46.2999,
7.7010

■ 23.4475, 46.2999,
7.7010

■ 23.4479, 46.3015,
7.7013

■ 24.2006, 46.6739,
8.4442

■ 25.4528, 47.2868,
9.9788

■ 27.2968, 48.1819,
12.5680

■ 29.7956, 49.3889,
16.3559

■ 33.0041, 50.9332,
21.4638

■ 36.9712, 52.8378,
27.9985

■ 41.7417, 55.1236,
36.0557

■ 47.3565, 57.8101,
45.7227

■ 53.8541, 60.9150,
57.0805

Harmonies

Analogous

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



35.2997, 46.2999, 2.3579



23.4475, 46.2999, 7.7010



18.0484, 46.2999, 29.1968

Triad

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



23.4475, 46.2999, 7.7010



35.7890, 46.2999, 223.4132



87.1695, 46.2999, 28.0885

Complementary

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



23.4475, 46.2999, 7.7010



31.6489, 14.9721, 62.1971

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.



87.4081, 46.2999, 80.0089



23.4475, 46.2999, 7.7010



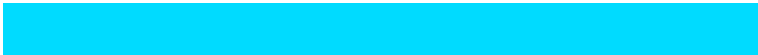
54.0391, 46.2999, 222.2471

Square

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



23.4475, 46.2999, 7.7010



23.7200, 46.2999, 161.2029



74.0277, 46.2999, 158.6492



73.4451, 46.2999, 7.3679

Rectangle

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



23.4475, 46.2999, 7.7010



17.5237, 46.2999, 60.6150



74.0277, 46.2999, 158.6492



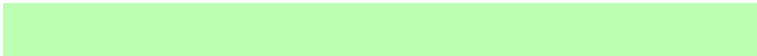
88.9337, 46.2999, 41.4247

Sweetspot

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



23.4486, 46.3018, 7.7020



64.4863, 85.3949, 55.4672



43.3090, 47.1610, 6.8211



13.0979, 17.9404, 10.6756



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.



23.4486, 46.3018, 7.7020



36.3050, 71.8010, 11.9455



24.3881, 46.6314, 14.7399



11.7851, 13.2726, 12.5528



14.3469, 28.2651, 4.6995



0.8468, 1.6034, 0.2649

Inverse Universe

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



31.6489, 14.9721, 62.1971



48.9996, 23.1751, 96.4984



30.8142, 15.3966, 23.5425



12.1666, 11.9347, 14.9060



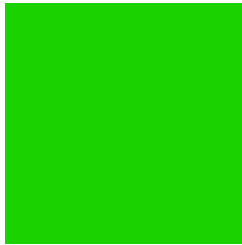
19.3601, 9.1608, 37.9403



1.1225, 0.5328, 2.1233

Previews

White Background



This preview shows how the XYZ color 23.4475, 46.2999, 7.7010 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 23.4475, 46.2999, 7.7010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

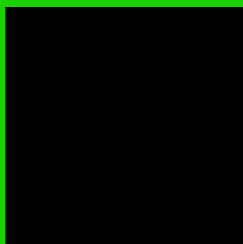
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4475, 46.2999, 7.7010

Background



This preview shows how black text looks on a background with the XYZ color 23.4475, 46.2999, 7.7010.



This preview shows how white text looks on a background with the XYZ color 23.4475, 46.2999,

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

23.4475, 46.2999, 7.7010

Protanopia

40.9499, 45.3390, 6.5930

Deuteranopia

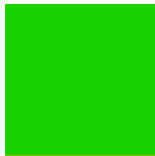
46.2124, 45.1077, 8.7536



Tritanopia

35.5874, 45.9575, 68.6231

Trichromacy



Original Color

23.4475, 46.2999, 7.7010



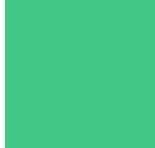
Protanomaly

29.1120, 42.6649, 6.7008



Deuteranomaly

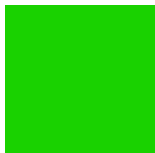
30.7076, 41.5589, 7.5656



Tritanomaly

27.2721, 44.2231, 29.6528

Monochromacy



Original Color

23.4475, 46.2999, 7.7010



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.5458, 28.0415, 12.6187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4475, 46.2999, 7.7010 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(25, 210, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 210, 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(25, 210, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 210, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4475, 46.2999, 7.7010 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(25, 210, 0) }
```


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

```
.border{ border-color:rgb(25, 210, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 210, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 210, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 210, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 210, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4475, 46.2999, 7.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 210, 0) }
```

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

```
.background{ background-color: rgb(25, 210,  
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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