

Converting Colors

XYZ(31.3497, 50.0465, 8.0076)

Have a look what the booklet for
XYZ(31.3497, 50.0465, 8.0076)
contains.

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Color

**XYZ(31.2579, 49.9609,
7.9960)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD100
RGB	125, 209, 0
RGB Percent	49%, 82%, 0%
CMY	0.5098, 0.1804, 0.9999
CMYK	0.40, 0.00, 1.00, 0.18
HSL	84°, 100%, 41%
HSV	84°, 100%, 82%
XYZ	31.2579, 49.9609, 7.9960
YIQ	160.0580, 17.0250, -82.8070

Conversions

Conversions Part 2

Format	Color
RYB	0, 209, 84
Decimal	8245504
CIELab	76.05, -51.62, 74.95
CIELCh	76, 91.003, 124.558
Yxy	49.9609, 0.3504, 0.5600
Android (android.graphics.Color)	4286435584 (0xFF7DD100)
YUV	160.0580, -78.9086, -30.7459
Hunter-Lab	70.6830, -44.7579, 42.7710

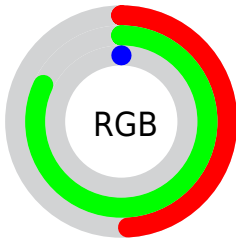
Details

The XYZ color **31.2579, 49.9609, 7.9960** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.1685, 6.4905, 60.7778**, and the grayscale version is **33.7901, 35.5498, 38.7138**.

A 20% lighter version of the original color is **57.1274, 82.3504, 21.2718**, and **13.6700, 24.2012, 3.9508** is the 20% darker color. If you saturate the color by 10%, you get **31.2573, 49.9622, 7.9962**, and if you desaturate by 10%, it is **32.6725, 50.6762, 8.7654**.

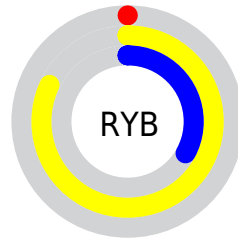
Distribution



Red (49%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (33%)

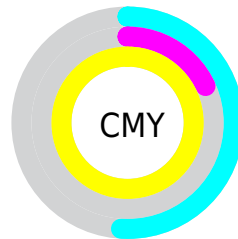


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (51%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2579, 49.9609, 7.9960 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 31.2579, 49.9609, 7.9960 by changing the saturation by 10% instead.


 31.2579, 49.9609,
7.9960


 31.2579, 49.9609,
7.9960


299.5304,
386.5130, 185.6341

 20.9481, 35.3823,
4.0047


 61.0190, 90.1169,
22.4966

 13.1983, 23.9575,
1.6279


 81.2009, 116.4632,
33.8430

 7.6432, 15.3021,
0.3106


 105.4044,
147.5008, 48.4782

 3.9174, 9.0317,
0.0000

 133.9946,
183.6142, 66.8206

 1.6555, 4.7619,
0.0000

 167.3369,
225.1877, 89.2888

 0.4282, 2.1082,
0.0000

 205.7968,

 0.0000, 0.6692,

272.6057, 116.3015

0.0000

249.7395,
326.2527, 148.2771

■ 0.0000, 0.0000,
0.0000

■ 31.2579, 49.9609,
7.9960

■ 31.2579, 49.9609,
7.9960

■ 31.2573, 49.9622,
7.9962

■ 32.6725, 50.6762,
8.7654

■ 34.3379, 51.5024,
10.3055

■ 36.3064, 52.4624,
12.8756

■ 38.6073, 53.5681,
16.6163

■ 41.2651, 54.8296,
21.6463

■ 44.3018, 56.2561,
28.0697

■ 47.7373, 57.8556,
35.9801

■ 51.5899, 59.6358,
45.4627

■ 55.8764, 61.6036,
56.5966

Harmonies

Analogous

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



44.9364, 49.9609, 4.2764



31.2579, 49.9609, 7.9960



23.6687, 49.9609, 23.2870

Triad

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



31.2579, 49.9609, 7.9960



34.7866, 49.9609, 190.2195



88.0747, 49.9609, 47.2953

Complementary

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



31.2579, 49.9609, 7.9960



15.1685, 6.4905, 60.7778

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.



83.5277, 49.9609, 105.3179



31.2579, 49.9609, 7.9960



50.1309, 49.9609, 211.1705

Square

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



31.2579, 49.9609, 7.9960



25.3391, 49.9609, 126.6227



68.5381, 49.9609, 173.5944



79.8004, 49.9609, 16.7095

Rectangle

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



31.2579, 49.9609, 7.9960



21.8196, 49.9609, 45.9982



68.5381, 49.9609, 173.5944



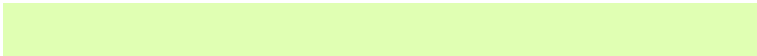
88.0085, 49.9609, 63.7648

Sweetspot

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



31.2590, 49.9631, 7.9971



74.6637, 90.6415, 55.9435



29.4366, 19.8375, 2.2783



15.4746, 19.1657, 10.7868



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.



31.2590, 49.9631, 7.9971



48.8017, 78.2432, 12.5303



23.1094, 45.7618, 7.6157



12.3245, 13.5508, 12.5780



19.3854, 30.8625, 4.9353



1.1723, 1.7712, 0.2801

Inverse Universe

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



15.1685, 6.4905, 60.7778



23.5869, 10.0744, 95.3091



32.2748, 15.3092, 61.5784



11.6071, 11.6463, 14.8799



9.4557, 4.0549, 37.4768



0.6174, 0.2724, 2.0996

Previews

White Background



This preview shows how the XYZ color 31.2579, 49.9609, 7.9960 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 31.2579, 49.9609, 7.9960 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 31.2579, 49.9609, 7.9960

Background



This preview shows how black text looks on a background with the XYZ color 31.2579, 49.9609, 7.9960.



This preview shows how white text looks on a background with the XYZ color 31.2579, 49.9609,

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

31.2579, 49.9609, 7.9960

Protanopia

44.3487, 49.2423, 7.1673

Deuteranopia

50.3833, 49.2665, 8.9517



Tritanopia

43.3191, 49.6263, 68.2684

Trichromacy



Original Color

31.2579, 49.9609, 7.9960

Protanomaly

38.1055, 48.6139, 7.3751

Deuteranomaly

40.8897, 48.0719, 8.1010

Tritanomaly

35.5417, 48.1435, 29.9736

Monochromacy



Original Color

31.2579, 49.9609, 7.9960

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.3513, 39.0031, 18.4990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2579, 49.9609, 7.9960 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(125, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 209, 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(125, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 209, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2579, 49.9609, 7.9960 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(125, 209, 0) }
```


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

```
.border{ border-color:rgb(125, 209, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 209, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 209,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2579, 49.9609, 7.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 209, 0) }
```

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

```
.background{ background-color: rgb(125,  
209, 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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