

Converting Colors

XYZ(29.9579, 45.0834, 7.1230)

Have a look what the booklet for
XYZ(29.9579, 45.0834, 7.1230)
contains.

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Color

**XYZ(29.9579, 45.0834,
7.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	87C500
RGB	135, 197, 0
RGB Percent	53%, 77%, 0%
CMY	0.4706, 0.2274, 0.9999
CMYK	0.31, 0.00, 1.00, 0.23
HSL	79°, 100%, 39%
HSV	79°, 100%, 77%
XYZ	29.9579, 45.0834, 7.1230
YIQ	156.0040, 26.2850, -74.4110

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 62
Decimal	8897792
CIELab	72.95, -43.12, 72.77
CIELCh	73, 84.585, 120.648
Yxy	45.0834, 0.3646, 0.5487
Android (android.graphics.Color)	4287087872 (0xFF87C500)
YUV	156.0040, -76.9100, -18.4205
Hunter-Lab	67.1442, -37.8605, 40.7111

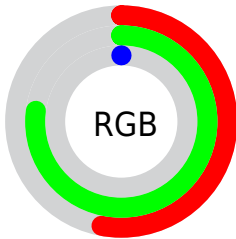
Details

The XYZ color **29.9579, 45.0834, 7.1230** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **12.0671, 5.0569, 53.1660**, and the grayscale version is **31.9282, 33.5910, 36.5806**.

A 20% lighter version of the original color is **58.9193, 82.8152, 20.6641**, and **12.8830, 21.2227, 3.4174** is the 20% darker color. If you saturate the color by 10%, you get **29.9577, 45.0848, 7.1233**, and if you desaturate by 10%, it is **31.1097, 45.6643, 7.8234**.

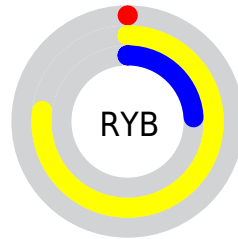
Distribution



Red (53%)

Green (77%)

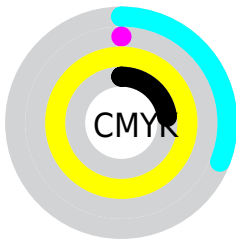
Blue (0%)



Red (0%)

Yellow (77%)

Blue (24%)

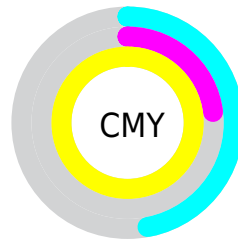


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (47%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9579, 45.0834, 7.1230 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 29.9579, 45.0834, 7.1230 by changing the saturation by 10% instead.


 29.9579, 45.0834,
7.1230


 29.9579, 45.0834,
7.1230


293.6215,
367.1112, 178.3514


 19.9545, 31.5231,
3.4595


 58.9827, 82.8455,
20.7373

 12.4701, 20.9975,
1.3338


 78.7348, 107.8162,
31.5252

 7.1391, 13.1222,
0.0892


 102.4673,
137.3591, 45.5250

 3.5964, 7.5127,
0.0000

 130.5454,
171.8587, 63.1553

 1.4764, 3.7848,
0.0000

 163.3345,
211.6993, 84.8345

 0.3097, 1.5539,
0.0000

 201.2000,

 0.0000, 0.3262,

257.2653, 110.9812

0.0000

244.5072,
308.9411, 142.0140

■ 0.0000, 0.0000,
0.0000

■ 29.9579, 45.0834,
7.1230

■ 29.9579, 45.0834,
7.1230

■ 29.9577, 45.0848,
7.1233

■ 31.1097, 45.6643,
7.8234

■ 32.4453, 46.3241,
9.1877

■ 34.0108, 47.0827,
11.4497

■ 35.8302, 47.9499,
14.7302

■ 37.9237, 48.9338,
19.1317

■ 40.3092, 50.0419,
24.7440

■ 43.0030, 51.2806,
31.6478

■ 46.0199, 52.6559,
39.9169

■ 49.3737, 54.1736,
49.6195

Harmonies

Analogous

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



42.5305, 45.0834, 4.4279



29.9579, 45.0834, 7.1230



22.5790, 45.0834, 19.0680

Triad

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



29.9579, 45.0834, 7.1230



30.3976, 45.0834, 159.3758



77.9264, 45.0834, 48.1753

Complementary

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



29.9579, 45.0834, 7.1230



12.0671, 5.0569, 53.1660

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.



72.6293, 45.0834, 100.6366



29.9579, 45.0834, 7.1230



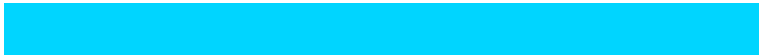
43.1720, 45.0834, 183.3370

Square

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



29.9579, 45.0834, 7.1230



22.7889, 45.0834, 103.2261



58.9949, 45.0834, 157.3702



72.1743, 45.0834, 18.2334

Rectangle

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



29.9579, 45.0834, 7.1230



20.5159, 45.0834, 37.0368



58.9949, 45.0834, 157.3702



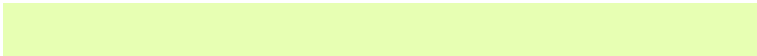
77.3688, 45.0834, 63.5055

Sweetspot

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



29.9589, 45.0854, 7.1240



76.7753, 91.7301, 56.0424



24.5972, 15.0109, 1.6016



15.9786, 19.4255, 10.8104



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.



29.9589, 45.0854, 7.1240



53.3792, 80.6031, 12.7446



20.8200, 40.3741, 6.6963



11.1866, 12.2431, 11.3363



19.7931, 29.6990, 4.6893



1.0096, 1.4436, 0.2254

Inverse Universe

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



12.0671, 5.0569, 53.1660



21.3809, 8.9371, 95.2059



24.1023, 11.2613, 53.7293



10.3656, 10.4468, 13.3876



8.0128, 3.3650, 34.9715



0.4550, 0.1983, 1.6594

Previews

White Background



This preview shows how the XYZ color 29.9579, 45.0834, 7.1230 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 29.9579, 45.0834, 7.1230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

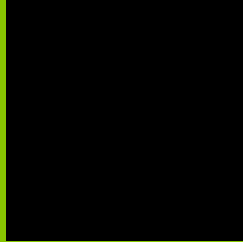
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9579, 45.0834, 7.1230

Background



This preview shows how black text looks on a background with the XYZ color 29.9579, 45.0834, 7.1230.



This preview shows how white text looks on a background with the XYZ color 29.9579, 45.0834,

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

29.9579, 45.0834, 7.1230

Protanopia

40.2075, 44.6577, 6.5006

Deuteranopia

45.5892, 44.5234, 8.0248



Tritanopia

40.4530, 44.8142, 59.9440

Trichromacy



Original Color

29.9579, 45.0834, 7.1230

Protanomaly

35.6904, 44.4649, 6.7015

Deuteranomaly

38.0232, 43.5126, 7.2589

Tritanomaly

33.7817, 43.6758, 26.3885

Monochromacy



Original Color

29.9579, 45.0834, 7.1230

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.0278, 36.3226, 17.2854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9579, 45.0834, 7.1230 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(135, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 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(135, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.9579, 45.0834, 7.1230 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(135, 197, 0) }
```


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

```
.border{ border-color:rgb(135, 197, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 197,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9579, 45.0834, 7.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 0) }
```

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

```
.background{ background-color: rgb(135,  
197, 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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