

Converting Colors

XYZ(32.9965, 49.0645, 7.7313)

Have a look what the booklet for
XYZ(32.9965, 49.0645, 7.7313)
contains.

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Color

**XYZ(32.9206, 49.0254,
7.7277)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCC00
RGB	143, 204, 0
RGB Percent	56%, 80%, 0%
CMY	0.4392, 0.2000, 0.9999
CMYK	0.30, 0.00, 1.00, 0.20
HSL	78°, 100%, 40%
HSV	78°, 100%, 80%
XYZ	32.9206, 49.0254, 7.7277
YIQ	162.5050, 29.1280, -76.3760

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 61
Decimal	9423872
CIELab	75.47, -43.12, 74.90
CIELCh	75, 86.420, 119.928
Yxy	49.0254, 0.3671, 0.5467
Android (android.graphics.Color)	4287613952 (0xFF8FCC00)
YUV	162.5050, -80.1150, -17.1059
Hunter-Lab	70.0181, -38.6060, 42.4690

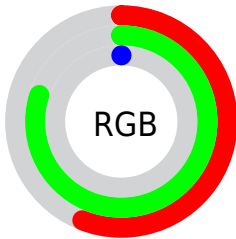
Details

The XYZ color **32.9206, 49.0254, 7.7277** 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 **12.8260, 5.3533, 57.4869**, and the grayscale version is **34.9375, 36.7570, 40.0284**.

A 20% lighter version of the original color is **61.6785, 84.7011, 21.2818**, and **14.4938, 23.4262, 3.7578** is the 20% darker color. If you saturate the color by 10%, you get **32.9204, 49.0269, 7.7281**, and if you desaturate by 10%, it is **34.1369, 49.6390, 8.4638**.

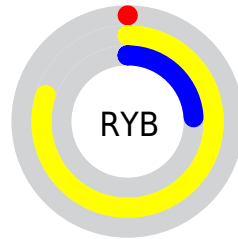
Distribution



Red (56%)

Green (80%)

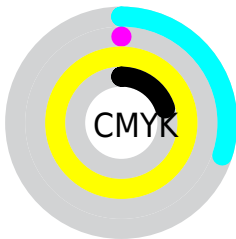
Blue (0%)



Red (0%)

Yellow (80%)

Blue (24%)

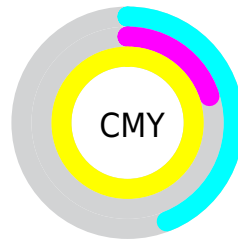


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (44%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9206, 49.0254, 7.7277 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 32.9206, 49.0254, 7.7277 by changing the saturation by 10% instead.


 32.9206, 49.0254,
7.7277


 32.9206, 49.0254,
7.7277


306.9631,
382.8423, 183.4345


 22.2246, 34.6396,
3.8359


 63.6071, 88.7292,
21.9602


 14.1395, 23.3854,
1.5358


 84.3282, 114.8160,
33.1379


 8.3001, 14.8784,
0.2444


 109.1217,
145.5719, 47.5815


 4.3410, 8.7341,
0.0000

 138.3531,
181.3814, 65.7093

 1.8968, 4.5681,
0.0000

 172.3875,
222.6287, 87.9400

 0.5750, 1.9962,
0.0000

 211.5904,

 0.0000, 0.6052,

269.6984, 114.6921

0.0000

256.3272,
322.9748, 146.3840

■ 0.0000, 0.0000,
0.0000

■ 32.9206, 49.0254,
7.7277

■ 32.9206, 49.0254,
7.7277

■ 32.9204, 49.0269,
7.7281

■ 34.1369, 49.6390,
8.4638

■ 35.5475, 50.3353,
9.9238

■ 37.2014, 51.1358,
12.3560

■ 39.1246, 52.0510,
15.8926

■ 41.3390, 53.0897,
20.6453

■ 43.8641, 54.2598,
26.7120

■ 46.7174, 55.5683,
34.1808

■ 49.9150, 57.0219,
43.1321

■ 53.4716, 58.6265,
53.6401

Harmonies

Analogous

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



46.6359, 49.0254, 4.9296



32.9206, 49.0254, 7.7277



24.7919, 49.0254, 20.3760

Triad

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



32.9206, 49.0254, 7.7277



32.8674, 49.0254, 171.0320



84.4465, 49.0254, 53.4913

Complementary

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



32.9206, 49.0254, 7.7277



12.8260, 5.3533, 57.4869

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.



78.4627, 49.0254, 110.5350



32.9206, 49.0254, 7.7277



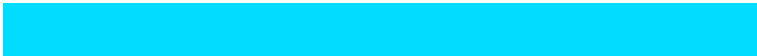
46.5585, 49.0254, 198.0109

Square

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



32.9206, 49.0254, 7.7277



24.7665, 49.0254, 110.2232



63.6174, 49.0254, 171.2731



78.5175, 49.0254, 20.4773

Rectangle

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



32.9206, 49.0254, 7.7277



22.4702, 49.0254, 39.4563



63.6174, 49.0254, 171.2731



83.7465, 49.0254, 70.2462

Sweetspot

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



32.9217, 49.0276, 7.7288



77.1643, 91.9306, 56.0606



26.4071, 15.8458, 1.6674



16.0718, 19.4735, 10.8148



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.



32.9217, 49.0276, 7.7288



54.2898, 81.0724, 12.7872



22.6422, 43.7283, 7.2477



11.8145, 12.9218, 11.9509



20.8171, 30.9069, 4.8685



1.1481, 1.6327, 0.2546

Inverse Universe

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



12.8260, 5.3533, 57.4869



21.0514, 8.7673, 95.1905



25.3588, 11.8142, 58.0734



10.9119, 11.0039, 14.1192



8.1543, 3.4113, 36.1849



0.4978, 0.2157, 1.8703

Previews

White Background



This preview shows how the XYZ color 32.9206, 49.0254, 7.7277 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 32.9206, 49.0254, 7.7277 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 32.9206, 49.0254, 7.7277

Background



This preview shows how black text looks on a background with the XYZ color 32.9206, 49.0254, 7.7277.



This preview shows how white text looks on a background with the XYZ color 32.9206, 49.0254,

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

32.9206, 49.0254, 7.7277

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.4958, 48.5208, 8.6762



Tritanopia

44.5372, 49.0212, 64.8723

Trichromacy



Original Color

32.9206, 49.0254, 7.7277

Protanomaly

39.0775, 48.4542, 7.2930

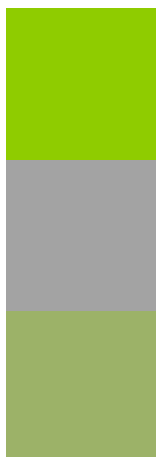
Deuteranomaly

41.5538, 47.4674, 7.8917

Tritanomaly

37.2547, 47.7098, 28.3645

Monochromacy



Original Color

32.9206, 49.0254, 7.7277

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.1294, 39.9082, 19.1064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9206, 49.0254, 7.7277 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(143, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9206, 49.0254, 7.7277 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(143, 204, 0) }
```


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

```
.border{ border-color:rgb(143, 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(143, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9206, 49.0254, 7.7277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 204, 0) }
```

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

```
.background{ background-color: rgb(143,  
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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