

Converting Colors

XYZ(32.3686, 46.7589, 5.2492)

Have a look what the booklet for
XYZ(32.3686, 46.7589, 5.2492)
contains.

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Color

**XYZ(32.7718, 46.8722,
7.3200)**

Conversions

Conversions Part 1

Format	Color
Hex	96C600
RGB	150, 198, 0
RGB Percent	59%, 78%, 0%
CMY	0.4118, 0.2235, 0.9999
CMYK	0.24, 0.00, 1.00, 0.22
HSL	75°, 100%, 39%
HSV	75°, 100%, 78%
XYZ	32.7718, 46.8722, 7.3200
YIQ	161.0760, 34.9500, -71.7540

Conversions

Conversions Part 2

Format	Color
RYB	0, 198, 48
Decimal	9881088
CIELab	74.11, -37.79, 74.04
CIELCh	74, 83.121, 117.039
Yxy	46.8722, 0.3768, 0.5390
Android (android.graphics.Color)	4288071168 (0xFF96C600)
YUV	161.0760, -79.4105, -9.7137
Hunter-Lab	68.4633, -34.3669, 41.5851

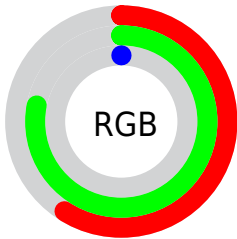
Details

The XYZ color **32.7718, 46.8722, 7.3200** 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 **11.4141, 4.7070, 53.7358**, and the grayscale version is **34.2604, 36.0446, 39.2526**.

A 20% lighter version of the original color is **63.2954, 85.5391, 21.1573**, and **14.4875, 22.2737, 3.5357** is the 20% darker color. If you saturate the color by 10%, you get **32.7717, 46.8737, 7.3203**, and if you desaturate by 10%, it is **33.7992, 47.3890, 8.0192**.

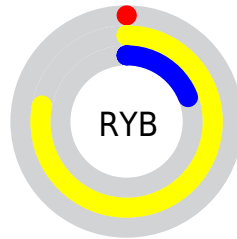
Distribution



Red (59%)

Green (78%)

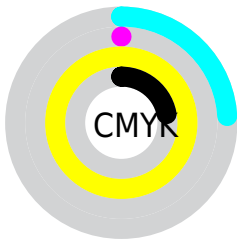
Blue (0%)



Red (0%)

Yellow (78%)

Blue (19%)

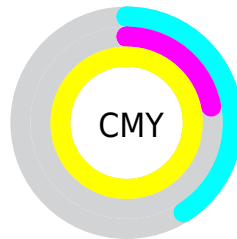


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (41%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7718, 46.8722, 7.3200 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 32.7718, 46.8722, 7.3200 by changing the saturation by 10% instead.


 32.7718, 46.8722,
7.3200


 32.7718, 46.8722,
7.3200


306.3034,
374.3042, 180.0274

 22.1101, 32.9346,
3.5816


 63.3762, 85.5228,
21.1379

 14.0549, 22.0764,
1.3987

 84.0495, 111.0047,
32.0544


 8.2408, 13.9130,
0.1407


 108.7908,
141.1034, 46.2006


 4.3025, 8.0602,
0.0000

 137.9653,
176.2034, 63.9952

 1.8747, 4.1335,
0.0000

 171.9385,
216.6891, 85.8566

 0.5620, 1.7485,
0.0000

 211.0757,

 0.0000, 0.4548,

262.9449, 112.2034

0.0000

255.7422,
315.3551, 143.4542

■ 0.0000, 0.0000,
0.0000

■ 32.7718, 46.8722,
7.3200

■ 32.7718, 46.8722,
7.3200

■ 32.7717, 46.8737,
7.3203

■ 33.7992, 47.3890,
8.0192

■ 34.9895, 47.9735,
9.3898

■ 36.3887, 48.6459,
11.6673

■ 38.0206, 49.4156,
14.9744

■ 39.9051, 50.2908,
19.4146

■ 42.0600, 51.2786,
25.0789

■ 44.5012, 52.3853,
32.0491

■ 47.2432, 53.6169,
40.3998

■ 50.2995, 54.9787,
50.2000

Harmonies

Analogous

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



46.0445, 46.8722, 5.1542



32.7718, 46.8722, 7.3200



24.6030, 46.8722, 18.1823

Triad

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



32.7718, 46.8722, 7.3200



30.7304, 46.8722, 155.2384



79.6552, 46.8722, 55.3853

Complementary

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



32.7718, 46.8722, 7.3200



11.4141, 4.7070, 53.7358

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.



73.1169, 46.8722, 109.8361



32.7718, 46.8722, 7.3200



43.0894, 46.8722, 184.3386

Square

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



32.7718, 46.8722, 7.3200



23.6218, 46.8722, 98.0667



58.8595, 46.8722, 164.2920



75.1920, 46.8722, 22.1198

Rectangle

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



32.7718, 46.8722, 7.3200



22.0857, 46.8722, 34.7796



58.8595, 46.8722, 164.2920



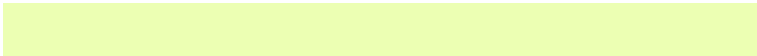
78.6423, 46.8722, 71.7015

Sweetspot

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



32.7729, 46.8743, 7.3210



78.5882, 92.6646, 56.1272



24.2756, 13.9776, 1.4191



16.4137, 19.6498, 10.8308



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.



32.7729, 46.8743, 7.3210



57.7956, 82.8798, 12.9513



21.6539, 41.1423, 6.8006



11.2629, 12.2825, 11.3399



21.3913, 30.5229, 4.7641



1.0750, 1.4773, 0.2285

Inverse Universe

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



11.4141, 4.7070, 53.7358



20.0260, 8.2387, 95.1425



21.9078, 10.1167, 54.2269



10.2935, 10.4096, 13.3842



7.4873, 3.0941, 34.9470



0.4222, 0.1814, 1.6579

Previews

White Background



This preview shows how the XYZ color 32.7718, 46.8722, 7.3200 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 32.7718, 46.8722, 7.3200 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 32.7718, 46.8722, 7.3200

Background



This preview shows how black text looks on a background with the XYZ color 32.7718, 46.8722, 7.3200.



This preview shows how white text looks on a background with the XYZ color 32.7718, 46.8722,

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

32.7718, 46.8722, 7.3200

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.3841, 46.2904, 8.1066



Tritanopia

43.5977, 46.7293, 60.7546

Trichromacy



Original Color

32.7718, 46.8722, 7.3200

Protanomaly

37.9908, 46.2807, 6.9307

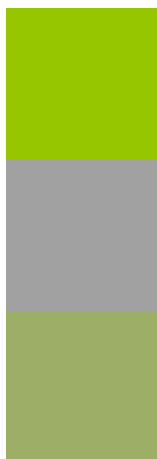
Deuteranomaly

40.4979, 45.3890, 7.4371

Tritanomaly

36.7263, 45.5046, 26.9263

Monochromacy



Original Color

32.7718, 46.8722, 7.3200

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.4390, 38.3995, 18.3252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7718, 46.8722, 7.3200 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(150, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 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(150, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.7718, 46.8722, 7.3200 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(150, 198, 0) }
```


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

```
.border{ border-color:rgb(150, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7718, 46.8722, 7.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 0) }
```

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

```
.background{ background-color: rgb(150,  
198, 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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