

Converting Colors

XYZ(36.3357, 48.1526, 7.3793)

Have a look what the booklet for
XYZ(36.3357, 48.1526, 7.3793)
contains.

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Color

**XYZ(36.3175, 48.0259,
7.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC400
RGB	170, 196, 0
RGB Percent	67%, 77%, 0%
CMY	0.3333, 0.2314, 0.9999
CMYK	0.13, 0.00, 1.00, 0.23
HSL	68°, 100%, 38%
HSV	68°, 100%, 77%
XYZ	36.3175, 48.0259, 7.3558
YIQ	165.8820, 47.4200, -66.4680

Conversions

Conversions Part 2

Format	Color
RYB	0, 196, 26
Decimal	11191296
CIELab	74.84, -28.73, 75.17
CIELCh	75, 80.472, 110.920
Yxy	48.0259, 0.3961, 0.5237
Android (android.graphics.Color)	4289381376 (0xFFAAC400)
YUV	165.8820, -81.7798, 3.6115
Hunter-Lab	69.3007, -27.7322, 42.2173

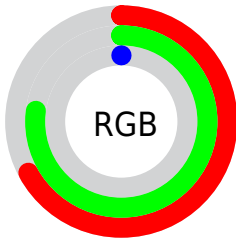
Details

The XYZ color **36.3175, 48.0259, 7.3558** 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 **10.3913, 4.2062, 52.4917**, and the grayscale version is **36.5576, 38.4614, 41.8845**.

A 20% lighter version of the original color is **68.9614, 87.5178, 21.2406**, and **16.4831, 22.8567, 3.5430** is the 20% darker color. If you saturate the color by 10%, you get **36.3178, 48.0277, 7.3561**, and if you desaturate by 10%, it is **37.0093, 48.3700, 8.0301**.

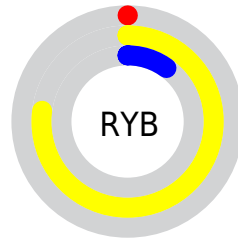
Distribution



Red (67%)

Green (77%)

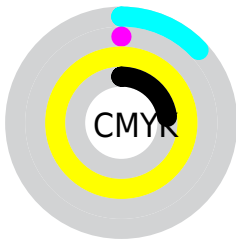
Blue (0%)



Red (0%)

Yellow (77%)

Blue (10%)

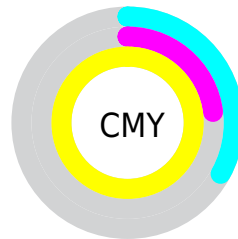


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (33%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3175, 48.0259, 7.3558 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 36.3175, 48.0259, 7.3558 by changing the saturation by 10% instead.


 36.3175, 48.0259,
7.3558


 36.3175, 48.0259,
7.3558


321.7532,
378.8948, 180.3298


 24.8508, 33.8474,
3.6038


 68.8425, 87.2430,
21.2104

 16.0940, 22.7764,
1.4106

 90.6315, 113.0503,
32.1501

 9.6820, 14.4285,
0.1500


 116.5919,
143.5027, 46.3228

 5.2493, 8.4193,
0.0000

 147.0891,
178.9846, 64.1470

 2.4305, 4.3644,
0.0000

 182.4885,
219.8804, 86.0413

 0.8603, 1.8794,
0.0000

 223.1554,

 0.0000, 0.5360,

266.5744, 112.4241

0.0000

269.4552,
319.4511, 143.7141

■ 0.0000, 0.0000,
0.0000

■ 36.3175, 48.0259,
7.3558

■ 36.3175, 48.0259,
7.3558

■ 36.3178, 48.0277,
7.3561

■ 37.0093, 48.3700,
8.0301

■ 37.8353, 48.7673,
9.3578

■ 38.8406, 49.2376,
11.5705

■ 40.0478, 49.7899,
14.7874

■ 41.4761, 50.4321,
19.1098

■ 43.1426, 51.1708,
24.6262

■ 45.0623, 52.0122,
31.4163

■ 47.2492, 52.9617,
39.5530

■ 49.7161, 54.0246,
49.1036

Harmonies

Analogous

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



50.2344, 48.0259, 6.2522



36.3175, 48.0259, 7.3558



27.1001, 48.0259, 16.1609

Triad

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



36.3175, 48.0259, 7.3558



30.1044, 48.0259, 143.1330



79.4600, 48.0259, 66.0719

Complementary

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



36.3175, 48.0259, 7.3558



10.3913, 4.2062, 52.4917

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.



71.1650, 48.0259, 121.3394



36.3175, 48.0259, 7.3558



41.3481, 48.0259, 179.0949

Square

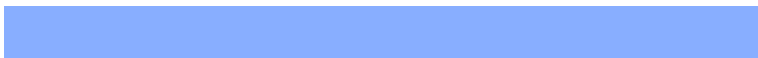
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.3175, 48.0259, 7.3558



24.0822, 48.0259, 86.6745



56.4517, 48.0259, 169.4946



77.3055, 48.0259, 28.4692

Rectangle

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



36.3175, 48.0259, 7.3558



23.8810, 48.0259, 30.1214



56.4517, 48.0259, 169.4946



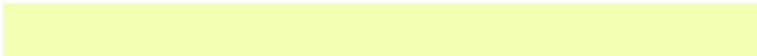
77.7454, 48.0259, 83.3134

Sweetspot

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



36.3186, 48.0281, 7.3568



81.4497, 94.1398, 56.2611



23.0705, 12.3448, 1.1675



17.1046, 20.0059, 10.8631



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.



36.3186, 48.0281, 7.3568



65.6286, 86.9178, 13.3178



22.6545, 40.9840, 6.7173



10.7777, 11.6884, 10.7499



23.3869, 30.8852, 4.7288



1.0477, 1.3537, 0.2061

Inverse Universe

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



10.3913, 4.2062, 52.4917



18.7043, 7.5573, 95.0806



17.8327, 8.0424, 52.8399



9.6498, 9.8106, 12.6699



6.7182, 2.7238, 33.7283



0.3317, 0.1390, 1.4592

Previews

White Background



This preview shows how the XYZ color 36.3175, 48.0259, 7.3558 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 36.3175, 48.0259, 7.3558 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 36.3175, 48.0259, 7.3558

Background



This preview shows how black text looks on a background with the XYZ color 36.3175, 48.0259, 7.3558.



This preview shows how white text looks on a background with the XYZ color 36.3175, 48.0259,

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

36.3175, 48.0259, 7.3558

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.7035, 47.5434, 8.1232



Tritanopia

46.8136, 47.8014, 59.5826

Trichromacy



Original Color

36.3175, 48.0259, 7.3558

Protanomaly

40.2314, 47.4358, 7.0356

Deuteranomaly

43.1673, 47.0691, 7.5691

Tritanomaly

40.2944, 46.7246, 26.2970

Monochromacy



Original Color

36.3175, 48.0259, 7.3558

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.2600, 40.7004, 19.6859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3175, 48.0259, 7.3558 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(170, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 196, 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(170, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.3175, 48.0259, 7.3558 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(170, 196, 0) }
```


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

```
.border{ border-color:rgb(170, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 196,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3175, 48.0259, 7.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 196, 0) }
```

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

```
.background{ background-color: rgb(170,  
196, 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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