

Converting Colors

XYZ(34.6787, 50.7896, 7.9756)

Have a look what the booklet for
XYZ(34.6787, 50.7896, 7.9756)
contains.

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Color

**XYZ(34.6490, 50.6266,
7.9457)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 96CE00 |
| RGB | 150, 206, 0 |
| RGB Percent | 59%, 81%, 0% |
| CMY | 0.4118, 0.1921, 0.9999 |
| CMYK | 0.27, 0.00, 1.00, 0.19 |
| HSL | 76°, 100%, 40% |
| HSV | 76°, 100%, 81% |
| XYZ | 34.6490, 50.6266, 7.9457 |
| YIQ | 165.7720, 32.7500, -75.9380 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 206, 56 |
| Decimal | 9883136 |
| CIELab | 76.45, -41.32, 75.82 |
| CIELCh | 76, 86.352, 118.589 |
| Yxy | 50.6266, 0.3717, 0.5431 |
| Android (android.graphics.Color) | 4288073216 (0xFF96CE00) |
| YUV | 165.7720, -81.7256, -13.8320 |
| Hunter-Lab | 71.1524, -37.5927, 43.1857 |

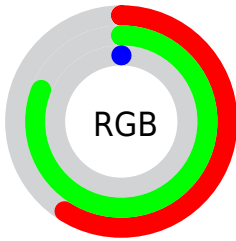
Details

The XYZ color **34.6490, 50.6266, 7.9457** 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 **12.7739, 5.2986, 58.7449**, and the grayscale version is **36.5091, 38.4104, 41.8289**.

A 20% lighter version of the original color is **63.6547, 85.7154, 21.5773**, and **15.4802, 24.4085, 3.8954** is the 20% darker color. If you saturate the color by 10%, you get **34.6488, 50.6282, 7.9460**, and if you desaturate by 10%, it is **35.8375, 51.2257, 8.6901**.

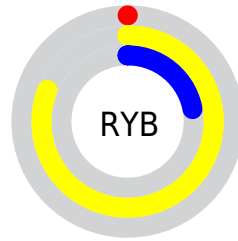
Distribution



Red (59%)

Green (81%)

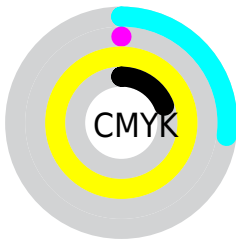
Blue (0%)



Red (0%)

Yellow (81%)

Blue (22%)

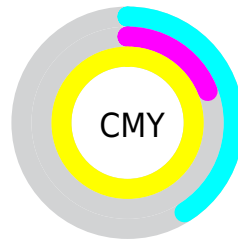


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (41%)

Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6490, 50.6266, 7.9457 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 34.6490, 50.6266, 7.9457 by changing the saturation by 10% instead.

■ 34.6490, 50.6266,
7.9457

■ 34.6490, 50.6266,
7.9457

314.5515,
389.1113, 185.2242

■ 23.5579, 35.9115,
3.9729

■ 66.2793, 91.1026,
22.3963

■ 15.1289, 24.3659,
1.6105

■ 87.5491, 117.6323,
33.7113

■ 8.9968, 15.6052,
0.2983

■ 112.9426,
148.8690, 48.3107

■ 4.7962, 9.2453,
0.0000

■ 142.8250,
185.1971, 66.6132

■ 2.1617, 4.9015,
0.0000

■ 177.5618,
227.0010, 89.0373

■ 0.7224, 2.1896,
0.0000

■ 217.5182,

■ 0.0000, 0.7143,

274.6650, 116.0014

0.0000

263.0597,
328.5737, 147.9242

■ 0.0000, 0.0000,
0.0000

■ 34.6490, 50.6266,
7.9457

■ 34.6490, 50.6266,
7.9457

■ 34.6488, 50.6282,
7.9460

■ 35.8375, 51.2257,
8.6901

■ 37.2153, 51.9045,
10.1756

■ 38.8319, 52.6847,
12.6549

■ 40.7138, 53.5770,
16.2634

■ 42.8832, 54.5902,
21.1156

■ 45.3599, 55.7324,
27.3120

■ 48.1616, 57.0108,
34.9425

■ 51.3045, 58.4318,
44.0895

■ 54.8037, 60.0016,
54.8292

Harmonies

Analogous

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



48.8936, 50.6266, 5.3110



34.6490, 50.6266, 7.9457



26.0552, 50.6266, 20.3752

Triad

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



34.6490, 50.6266, 7.9457



33.5880, 50.6266, 172.3776



86.6538, 50.6266, 57.3597

Complementary

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



34.6490, 50.6266, 7.9457



12.7739, 5.2986, 58.7449

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.



80.0572, 50.6266, 116.2370



34.6490, 50.6266, 7.9457



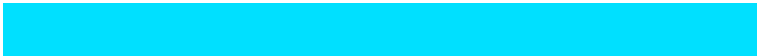
47.3528, 50.6266, 201.9402

Square

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



34.6490, 50.6266, 7.9457



25.5468, 50.6266, 110.0654



64.6933, 50.6266, 177.1389



81.1438, 50.6266, 22.4075

Rectangle

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



34.6490, 50.6266, 7.9457



23.5083, 50.6266, 39.2310



64.6933, 50.6266, 177.1389



85.7557, 50.6266, 74.8160

Sweetspot

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



34.6502, 50.6289, 7.9468



77.8436, 92.2808, 56.0924



26.8189, 15.8503, 1.6466



16.2348, 19.5575, 10.8224



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.



34.6502, 50.6289, 7.9468



55.9289, 81.9175, 12.8639



23.2955, 44.7753, 7.4154



11.8448, 12.9374, 11.9523



21.4317, 31.2238, 4.8972



1.1759, 1.6470, 0.2559

Inverse Universe

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



12.7739, 5.2986, 58.7449



20.5279, 8.4974, 95.1660



25.2306, 11.7202, 59.3278



10.8832, 10.9891, 14.1179



7.9451, 3.3034, 36.1751



0.4841, 0.2087, 1.8697

Previews

White Background



This preview shows how the XYZ color 34.6490, 50.6266, 7.9457 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 34.6490, 50.6266, 7.9457 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 34.6490, 50.6266, 7.9457

Background



This preview shows how black text looks on a background with the XYZ color 34.6490, 50.6266, 7.9457.



This preview shows how white text looks on a background with the XYZ color 34.6490, 50.6266,

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

34.6490, 50.6266, 7.9457

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

51.1953, 49.9853, 8.7836



Tritanopia

46.2555, 50.2016, 66.2834

Trichromacy



Original Color

34.6490, 50.6266, 7.9457

Protanomaly

40.5014, 49.8490, 7.4872

Deuteranomaly

43.3249, 49.0115, 8.0409

Tritanomaly

38.8051, 48.8272, 29.2091

Monochromacy



Original Color

34.6490, 50.6266, 7.9457

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.6226, 41.5619, 19.8858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6490, 50.6266, 7.9457 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, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 206, 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, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 206, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.6490, 50.6266, 7.9457 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, 206, 0) }
```


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

```
.border{ border-color:rgb(150, 206, 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, 206, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 206,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6490, 50.6266, 7.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 206, 0) }
```

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

```
.background{ background-color: rgb(150,  
206, 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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