

Converting Colors

XYZ(34.5924, 49.8872, 8.0091)

Have a look what the booklet for
XYZ(34.5924, 49.8872, 8.0091)
contains.

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Color

**XYZ(34.5801, 49.8765,
8.0056)**

Conversions

Conversions Part 1

Format	Color
Hex	98CC07
RGB	152, 204, 7
RGB Percent	60%, 80%, 3%
CMY	0.4039, 0.2000, 0.9725
CMYK	0.25, 0.00, 0.97, 0.20
HSL	76°, 93%, 41%
HSV	76°, 97%, 80%
XYZ	34.5801, 49.8765, 8.0056
YIQ	165.9940, 32.2450, -72.2910

Conversions

Conversions Part 2

Format	Color
RYB	7, 204, 59
Decimal	10013703
CIELab	75.99, -39.58, 74.82
CIElCh	76, 84.646, 117.878
Yxy	49.8765, 0.3740, 0.5394
Android (android.graphics.Color)	4288203783 (0xFF98CC07)
YUV	165.9940, -78.3840, -12.2727
Hunter-Lab	70.6233, -36.1898, 42.7154

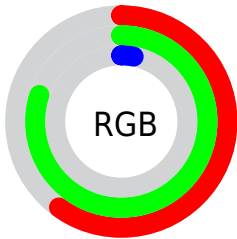
Details

The XYZ color **34.5801, 49.8765, 8.0056** 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 **12.7813, 5.4431, 57.5067**, and the grayscale version is **36.6014, 38.5075, 41.9347**.

A 20% lighter version of the original color is **64.2637, 86.0248, 21.8117**, and **15.6257, 24.2456, 3.8563** is the 20% darker color. If you saturate the color by 10%, you get **34.1983, 49.6858, 7.7879**, and if you desaturate by 10%, it is **35.7767, 50.4760, 8.9201**.

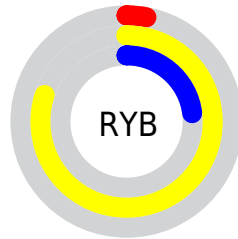
Distribution



Red (60%)

Green (80%)

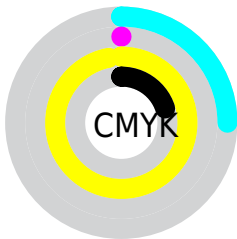
Blue (3%)



Red (3%)

Yellow (80%)

Blue (23%)

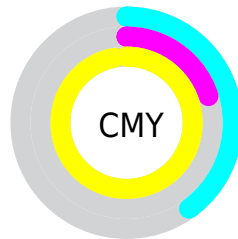


Cyan (25%)

Magenta (0%)

Yellow (97%)

Black (20%)



Cyan (40%)

Magenta (20%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5801, 49.8765, 8.0056 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 34.5801, 49.8765, 8.0056 by changing the saturation by 10% instead.

■ 34.5801, 49.8765,
8.0056

■ 34.5801, 49.8765,
8.0056

314.2516,
386.1828, 185.7122

■ 23.5046, 35.3153,
4.0107

■ 66.1731, 89.9919,
22.5158

■ 15.0893, 23.9058,
1.6312

■ 87.4213, 116.3148,
33.8681

■ 8.9688, 15.2638,
0.3130

■ 112.7911,
147.3271, 48.5101

■ 4.7778, 9.0047,
0.0000

■ 142.6478,
183.4131, 66.8601

■ 2.1509, 4.7443,
0.0000

■ 177.3569,
224.9573, 89.3368

■ 0.7167, 2.0980,
0.0000

■ 217.2837,

■ 0.0000, 0.6635,

272.3441, 116.3587

0.0000

262.7934,
325.9578, 148.3443

■ 0.0000, 0.0000,
0.0000

■ 34.5801, 49.8765,
8.0056

■ 34.5801, 49.8765,
8.0056

■ 34.1983, 49.6858,
7.7879

■ 35.7767, 50.4760,
8.9201

■ 37.1814, 51.1624,
10.6932

■ 38.8263, 51.9502,
13.4862

■ 40.7355, 52.8493,
17.4232

■ 42.9299, 53.8680,
22.6106

■ 45.4278, 55.0137,
29.1427

■ 48.2459, 56.2932,
37.1046

■ 51.3996, 57.7127,
46.5744

■ 54.9033, 59.2779,
57.6246

Harmonies

Analogous

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



48.5391, 49.8765, 5.5199



34.5801, 49.8765, 8.0056



26.0625, 49.8765, 19.9533

Triad

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



34.5801, 49.8765, 8.0056



33.0263, 49.8765, 166.2416



84.6771, 49.8765, 57.5904

Complementary

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



34.5801, 49.8765, 8.0056



12.7813, 5.4431, 57.5067

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.



78.0469, 49.8765, 114.8991



34.5801, 49.8765, 8.0056



46.2909, 49.8765, 195.7708

Square

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



34.5801, 49.8765, 8.0056



25.3153, 49.8765, 105.9522



63.0661, 49.8765, 173.1216



79.6247, 49.8765, 22.9526

Rectangle

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



34.5801, 49.8765, 8.0056



23.4876, 49.8765, 38.0184



63.0661, 49.8765, 173.1216



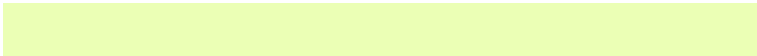
83.7148, 49.8765, 74.6880

Sweetspot

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



34.5812, 49.8787, 8.0067



78.5240, 92.6016, 57.4782



26.3689, 15.7080, 1.8439



16.3757, 19.6246, 11.0832



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.



34.5812, 49.8787, 8.0067



56.4194, 82.1703, 12.8868



23.2785, 44.0519, 7.4777



11.8536, 12.9419, 11.9527



21.6154, 31.3184, 4.9058



1.1842, 1.6513, 0.2563

Inverse Universe

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



12.7813, 5.4431, 57.5067



20.3870, 8.4248, 95.1594



24.4474, 11.4572, 58.0527



10.8749, 10.9848, 14.1175



7.8885, 3.2742, 36.1725



0.4803, 0.2067, 1.8695

Previews

White Background



This preview shows how the XYZ color 34.5801, 49.8765, 8.0056 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 34.5801, 49.8765, 8.0056 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 34.5801, 49.8765, 8.0056

Background



This preview shows how black text looks on a background with the XYZ color 34.5801, 49.8765, 8.0056.

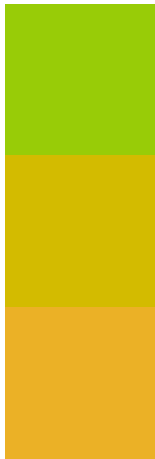


This preview shows how white text looks on a background with the XYZ color 34.5801, 49.8765,

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

34.5801, 49.8765, 8.0056

Protanopia

44.6343, 49.3895, 7.1807

Deuteranopia

50.3329, 49.2464, 8.6864



Tritanopia

46.0105, 49.7807, 64.9412

Trichromacy



Original Color

34.5801, 49.8765, 8.0056

Protanomaly

40.3216, 49.0937, 7.4370

Deuteranomaly

43.1450, 48.5989, 8.1435

Tritanomaly

38.8530, 48.5102, 29.5059

Monochromacy



Original Color

34.5801, 49.8765, 8.0056

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.7260, 41.3023, 20.3819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5801, 49.8765, 8.0056 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(152, 204, 7)` looks like.

```
.text, #text, p{  
    color:rgb(152, 204, 7)  
}
```

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(152, 204, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 204, 7) }
```

Border

The CSS property to change the border of an element to XYZ 34.5801, 49.8765, 8.0056 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(152, 204, 7) }
```


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

```
.border{ border-color:rgb(152, 204, 7) }
```

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

Here you see how a box with a 4 pixel rgb(152, 204, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 204, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 204, 7);  
box-shadow:4px 4px 4px 4px rgb(152, 204,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5801, 49.8765, 8.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 204, 7) }
```

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

```
.background{ background-color: rgb(152,  
204, 7) }
```

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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