

Converting Colors

XYZ(34.5253, 50.2586, 7.8812)

Have a look what the booklet for
XYZ(34.5253, 50.2586, 7.8812)
contains.

XYZ(34.4090, 50.1467, 7.8657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4090, 50.1467,
7.8657)**

Conversions

Conversions Part 1

Format	Color
Hex	96CD00
RGB	150, 205, 0
RGB Percent	59%, 80%, 0%
CMY	0.4118, 0.1961, 0.9999
CMYK	0.27, 0.00, 1.00, 0.20
HSL	76°, 100%, 40%
HSV	76°, 100%, 80%
XYZ	34.4090, 50.1467, 7.8657
YIQ	165.1850, 33.0250, -75.4150

Conversions

Conversions Part 2

Format	Color
RYB	0, 205, 55
Decimal	9882880
CIELab	76.16, -40.88, 75.60
CIELCh	76, 85.947, 118.405
Yxy	50.1467, 0.3723, 0.5426
Android (android.graphics.Color)	4288072960 (0xFF96CD00)
YUV	165.1850, -81.4362, -13.3172
Hunter-Lab	70.8143, -37.1911, 42.9844

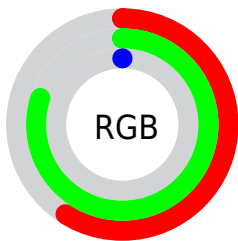
Details

The XYZ color **34.4090, 50.1467, 7.8657** 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 **12.5974, 5.2215, 58.1045**, and the grayscale version is **36.2234, 38.1098, 41.5016**.

A 20% lighter version of the original color is **63.6158, 85.6998, 21.3724**, and **15.3200, 24.0880, 3.8420** is the 20% darker color. If you saturate the color by 10%, you get **34.4089, 50.1483, 7.8661**, and if you desaturate by 10%, it is **35.5773, 50.7355, 8.6043**.

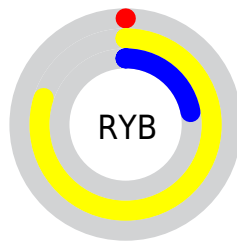
Distribution



Red (59%)

Green (80%)

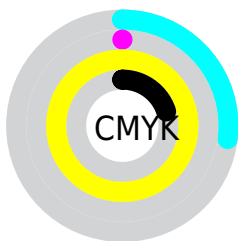
Blue (0%)



Red (0%)

Yellow (80%)

Blue (22%)

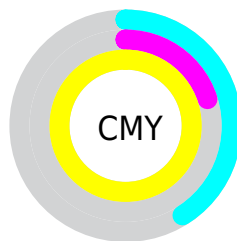


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (41%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4090, 50.1467, 7.8657 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 34.4090, 50.1467, 7.8657 by changing the saturation by 10% instead.


 34.4090, 50.1467,
7.8657


 34.4090, 50.1467,
7.8657


313.5059,
387.2394, 184.5699


 23.3724, 35.5300,
3.9226


 65.9093, 90.3922,
22.2365

 14.9909, 24.0714,
1.5830


 87.1036, 116.7898,
33.5014

 8.8993, 15.3866,
0.2786


 112.4146,
147.8831, 48.0438

 4.7321, 9.0912,
0.0000

 142.2075,
184.0565, 66.2825

 2.1241, 4.8007,
0.0000

 176.8477,
225.6944, 88.6359

 0.7023, 2.1308,
0.0000

 216.7006,

 0.0000, 0.6819,

273.1813, 115.5226

0.0000

262.1315,
326.9015, 147.3611

■ 0.0000, 0.0000,
0.0000

■ 34.4090, 50.1467,
7.8657

■ 34.4090, 50.1467,
7.8657

■ 34.4089, 50.1483,
7.8661

■ 35.5773, 50.7355,
8.6043

■ 36.9314, 51.4024,
10.0752

■ 38.5205, 52.1690,
12.5287

■ 40.3705, 53.0456,
16.0987

■ 42.5036, 54.0412,
20.8982

■ 44.9392, 55.1637,
27.0265

■ 47.6946, 56.4200,
34.5725

■ 50.7861, 57.8167,
43.6177

■ 54.2283, 59.3597,
54.2372

Harmonies

Analogous

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



48.5295, 50.1467, 5.2907



34.4090, 50.1467, 7.8657



25.8696, 50.1467, 20.0935

Triad

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



34.4090, 50.1467, 7.8657



33.2223, 50.1467, 170.1790



85.7586, 50.1467, 57.1054

Complementary

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



34.4090, 50.1467, 7.8657



12.5974, 5.2215, 58.1045

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.



79.1688, 50.1467, 115.4187



34.4090, 50.1467, 7.8657



46.8068, 50.1467, 199.6869

Square

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



34.4090, 50.1467, 7.8657



25.3007, 50.1467, 108.5233



63.9462, 50.1467, 175.4969



80.3830, 50.1467, 22.3685

Rectangle

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



34.4090, 50.1467, 7.8657



23.3266, 50.1467, 38.6584



63.9462, 50.1467, 175.4969



84.8456, 50.1467, 74.4165

Sweetspot

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



34.4101, 50.1489, 7.8668



77.9330, 92.3269, 56.0965



26.5295, 15.6824, 1.6294



16.2563, 19.5686, 10.8234



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.



34.4101, 50.1489, 7.8668



56.1491, 82.0310, 12.8742



23.0445, 44.2897, 7.3349



11.8488, 12.9394, 11.9525



21.5142, 31.2663, 4.9011



1.1796, 1.6489, 0.2561

Inverse Universe

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



12.5974, 5.2215, 58.1045



20.4638, 8.4644, 95.1630



24.9592, 11.5943, 58.6830



10.8795, 10.9872, 14.1177



7.9194, 3.2901, 36.1739



0.4824, 0.2078, 1.8696

Previews

White Background



This preview shows how the XYZ color 34.4090, 50.1467, 7.8657 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 34.4090, 50.1467, 7.8657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

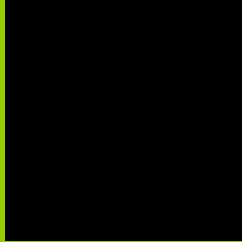
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4090, 50.1467, 7.8657

Background



This preview shows how black text looks on a background with the XYZ color 34.4090, 50.1467, 7.8657.



This preview shows how white text looks on a background with the XYZ color 34.4090, 50.1467,

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

34.4090, 50.1467, 7.8657

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

50.6641, 49.4171, 8.7019



Tritanopia

46.1336, 50.1529, 65.6415

Trichromacy



Original Color

34.4090, 50.1467, 7.8657

Protanomaly

40.2781, 49.4024, 7.4127

Deuteranomaly

43.1120, 48.5857, 7.9699

Tritanomaly

38.7370, 48.7999, 28.8504

Monochromacy



Original Color

34.4090, 50.1467, 7.8657

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.3683, 41.1360, 19.5460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4090, 50.1467, 7.8657 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, 205, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 205, 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, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 205, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.4090, 50.1467, 7.8657 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, 205, 0) }
```


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

```
.border{ border-color:rgb(150, 205, 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, 205, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 205,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4090, 50.1467, 7.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 205, 0) }
```

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

```
.background{ background-color: rgb(150,  
205, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor