

Converting Colors

XYZ(33.9668, 39.6091, 18.2133)

Have a look what the booklet for
XYZ(33.9668, 39.6091, 18.2133)
contains.

XYZ(34.0626, 39.7577, 18.1906)	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(34.0626, 39.7577,
18.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAE65
RGB	170, 174, 101
RGB Percent	67%, 68%, 40%
CMY	0.3333, 0.3176, 0.6039
CMYK	0.02, 0.00, 0.42, 0.32
HSL	63°, 31%, 54%
HSV	63°, 42%, 68%
XYZ	34.0626, 39.7577, 18.1906
YIQ	164.4820, 21.0490, -23.5510

Conversions

Conversions Part 2

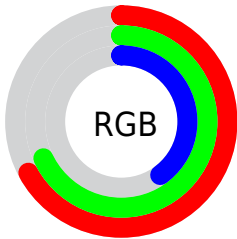
Format	Color
RYB	101, 174, 105
Decimal	11185765
CIELab	69.30, -12.50, 36.91
CIELCh	69, 38.972, 108.714
Yxy	39.7577, 0.3702, 0.4321
Android (android.graphics.Color)	4289375845 (0xFFAAAE65)
YUV	164.4820, -31.2966, 4.8393
Hunter-Lab	63.0537, -13.9155, 27.0328

Details

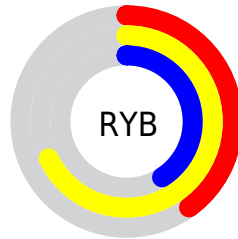
The XYZ color **34.0626, 39.7577, 18.1906** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1207, 15.3675, 42.0578**, and the grayscale version is **35.6549, 37.5118, 40.8503**.

A 20% lighter version of the original color is **65.1331, 74.5073, 41.0855**, and **14.7818, 17.8800, 5.9209** is the 20% darker color. If you saturate the color by 10%, you get **33.0936, 39.3478, 14.1566**, and if you desaturate by 10%, it is **35.2156, 40.2442, 23.1770**.

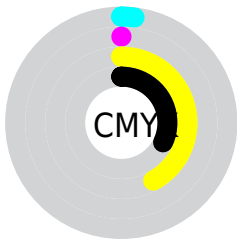
Distribution



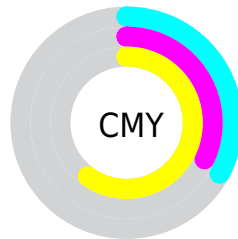
- Red (67%)
- Green (68%)
- Blue (40%)



- Red (40%)
- Yellow (68%)
- Blue (41%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (32%)





- Cyan (33%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0626, 39.7577, 18.1906 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 34.0626, 39.7577, 18.1906 by changing the saturation by 10% instead.


 34.0626, 39.7577,
18.1906


 34.0626, 39.7577,
18.1906


311.9921,
345.1013, 254.2153


 23.1048, 27.3497,
10.9161


 65.3746, 74.7944,
41.1802


 14.7920, 17.8360,
5.8970


 86.4596, 98.1919,
57.7322

 8.7589, 10.8323,
2.7147


 111.6510,
126.0213, 78.2139

 4.6401, 5.9542,
0.9508

 141.3142,
158.6670, 103.0438

 2.0703, 2.8172,
0.0000

175.8146,
196.5135, 132.6403

 0.6730, 1.0371,
0.0000

215.5174,

 0.0000, 0.0000,

239.9451, 167.4220

0.0000

260.7882,
289.3462, 207.8075

■ 34.0626, 39.7577,
18.1906

■ 34.0626, 39.7577,
18.1906

■ 33.0936, 39.3478,
14.1566

■ 35.2156, 40.2442,
23.1770

■ 32.2941, 39.0044,
11.0119

■ 36.5601, 40.8061,
29.1686

■ 31.6524, 38.7243,
8.6900


■ 38.1069, 41.4491,
36.2171


■ 31.1537, 38.5016,
7.1137


■ 39.8649, 42.1768,
44.3702

■ 30.7807, 38.3293,
6.1914


■ 41.8426, 42.9925,
53.6723

 30.5419, 38.2154,
5.7666

 44.0480, 43.8994,
64.1659

 46.4888, 44.9007,
75.8908

 49.1722, 45.9992,
88.8853

 51.6827, 47.0287,
100.9612

Harmonies

Analogous

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



40.1893, 39.7577, 17.5508



34.0626, 39.7577, 18.1906



29.4589, 39.7577, 24.3209

Triad

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



34.0626, 39.7577, 18.1906



30.4013, 39.7577, 74.6410



50.8403, 39.7577, 50.3798

Complementary

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



34.0626, 39.7577, 18.1906



18.1207, 15.3675, 42.0578

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.



47.5565, 39.7577, 70.1986



34.0626, 39.7577, 18.1906



35.4853, 39.7577, 86.5692

Square

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



34.0626, 39.7577, 18.1906



27.5115, 39.7577, 55.2968



41.7767, 39.7577, 84.7503



50.3507, 39.7577, 33.1596

Rectangle

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



34.0626, 39.7577, 18.1906



27.6611, 39.7577, 31.9594



41.7767, 39.7577, 84.7503



50.1277, 39.7577, 57.0230

Sweetspot

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



34.0636, 39.7595, 18.1914



68.7396, 75.0235, 63.9500



24.8218, 19.9712, 14.8590



15.1376, 16.6164, 13.5702



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0636, 39.7595, 18.1914



60.1983, 71.4430, 26.3804



27.2941, 36.2697, 17.8746



8.6186, 9.3075, 8.5556



22.1676, 27.7249, 4.1831



0.6295, 0.7779, 0.1170

Inverse Universe

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



18.1207, 15.3675, 42.0578



27.5205, 21.4314, 75.3231



23.3049, 18.0401, 42.3004



7.6181, 7.7774, 10.0524



5.6446, 2.2698, 29.1851



0.1699, 0.0698, 0.8125

Previews

White Background



This preview shows how the XYZ color 34.0626, 39.7577, 18.1906 looks on a white background.

Color Contrast Check

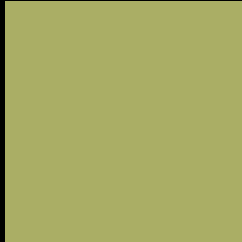
Large Text (above 18pt) WCAG AA × Fail

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 34.0626, 39.7577, 18.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

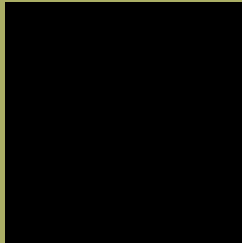
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0626, 39.7577, 18.1906

Background



This preview shows how black text looks on a background with the XYZ color 34.0626, 39.7577, 18.1906.



This preview shows how white text looks on a background with the XYZ color 34.0626, 39.7577,

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

34.0626, 39.7577, 18.1906

Protanopia

36.4477, 39.5911, 17.5252

Deuteranopia

40.4204, 39.4684, 18.5845



Tritanopia

40.0814, 39.7083, 47.6714

Trichromacy



Original Color

34.0626, 39.7577, 18.1906

Protanomaly

35.6856, 39.7492, 17.8481

Deuteranomaly

37.8226, 39.4582, 18.4547

Tritanomaly

37.4121, 39.4374, 34.4945

Monochromacy



Original Color

34.0626, 39.7577, 18.1906

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.5362, 38.0353, 30.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0626, 39.7577, 18.1906 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, 174, 101)` looks like.

```
.text, #text, p{  
    color:rgb(170, 174, 101)  
}
```

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, 174, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 174, 101) }
```

Border

The CSS property to change the border of an element to XYZ 34.0626, 39.7577, 18.1906 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, 174, 101) }
```


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

```
.border{ border-color:rgb(170, 174, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 174, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 174, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 174, 101);  
box-shadow:4px 4px 4px 4px rgb(170, 174,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0626, 39.7577, 18.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 174, 101) }
```

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

```
.background{ background-color: rgb(170,  
174, 101) }
```

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