

Converting Colors

XYZ(34.8374, 39.2105, 6.2777)

Have a look what the booklet for
XYZ(34.8374, 39.2105, 6.2777)
contains.

XYZ(34.9694, 39.3547, 6.2834)	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(34.9694, 39.3547,
6.2834)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAA11
RGB	187, 170, 17
RGB Percent	73%, 67%, 7%
CMY	0.2667, 0.3333, 0.9333
CMYK	0.00, 0.09, 0.91, 0.27
HSL	54°, 83%, 40%
HSV	54°, 91%, 73%
XYZ	34.9694, 39.3547, 6.2834
YIQ	157.6410, 59.2450, -43.9790

Conversions

Conversions Part 2

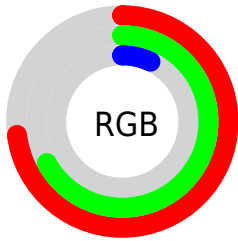
Format	Color
RYB	36, 187, 17
Decimal	12298769
CIELab	69.01, -8.13, 69.28
CIELCh	69, 69.753, 96.696
Yxy	39.3547, 0.4338, 0.4882
Android (android.graphics.Color)	4290488849 (0xFFBBAA11)
YUV	157.6410, -69.3360, 25.7478
Hunter-Lab	62.7333, -10.2822, 37.9748

Details

The XYZ color **34.9694, 39.3547, 6.2834** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.7731, 4.8514, 47.4346**, and the grayscale version is **32.6233, 34.3223, 37.3770**.

A 20% lighter version of the original color is **66.8443, 74.2491, 18.9921**, and **15.5317, 17.6240, 2.5832** is the 20% darker color. If you saturate the color by 10%, you get **34.5523, 38.6826, 5.6454**, and if you desaturate by 10%, it is **35.5360, 40.1477, 7.5223**.

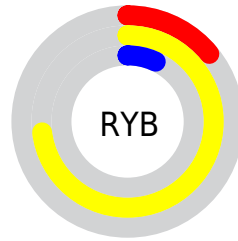
Distribution



Red (73%)

Green (67%)

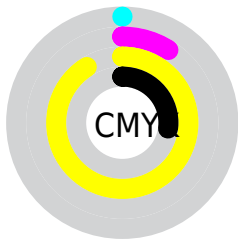
Blue (7%)



Red (14%)

Yellow (73%)

Blue (7%)

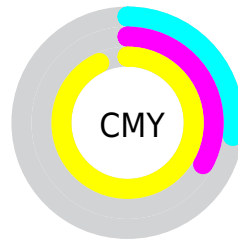


Cyan (0%)

Magenta (9%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9694, 39.3547, 6.2834 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 34.9694, 39.3547, 6.2834 by changing the saturation by 10% instead.


 34.9694, 39.3547,
6.2834


 34.9694, 39.3547,
6.2834


315.9436,
343.3962, 170.9674

 23.8057, 27.0358,
2.9466


 66.7727, 74.1799,
19.0041

 15.3135, 17.6001,
1.0674


 88.1430, 97.4549,
29.2250


 9.1275, 10.6633,
0.0000


 113.6462,
125.1507, 42.5778

 4.8822, 5.8409,
0.0000

 143.6477,
157.6518, 59.4809

 2.2123, 2.7486,
0.0000

 178.5129,
195.3425, 80.3528

 0.7492, 1.0019,
0.0000

 218.6070,

 0.0000, 0.0000,

238.6072, 105.6122

0.0000

264.2955,
287.8303, 135.6775

■ 34.9694, 39.3547,
6.2834

■ 34.9694, 39.3547,
6.2834

■ 34.5523, 38.6826,
5.6454

■ 35.5360, 40.1477,
7.5223

■ 36.2555, 41.0082,
9.5453

■ 37.1493, 41.9465,
12.4610

■ 38.2345, 42.9695,
16.3605

■ 39.5265, 44.0833,
21.3235

■ 41.0388, 45.2934,
27.4217

■ 42.7839, 46.6047,
34.7203

■ 44.7732, 48.0219,
43.2798

■ 47.0174, 49.5493,
53.1565

Harmonies

Analogous

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



46.5090, 39.3547, 7.6430



34.9694, 39.3547, 6.2834



26.0370, 39.3547, 10.1336

Triad

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



34.9694, 39.3547, 6.2834



22.7582, 39.3547, 90.7933



60.6553, 39.3547, 71.8969

Complementary

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



34.9694, 39.3547, 6.2834



9.7731, 4.8514, 47.4346

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.



51.6783, 39.3547, 113.0067



34.9694, 39.3547, 6.2834



29.5748, 39.3547, 127.1782

Square

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



34.9694, 39.3547, 6.2834



19.9474, 39.3547, 50.3877



39.9521, 39.3547, 136.8599



62.8864, 39.3547, 36.1053

Rectangle

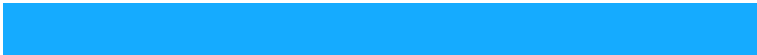
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.9694, 39.3547, 6.2834



22.2414, 39.3547, 17.2715



39.9521, 39.3547, 136.8599



58.2509, 39.3547, 85.9865

Sweetspot

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



34.9703, 39.3566, 6.2842



74.5363, 81.9142, 53.3953



20.9828, 11.0815, 2.5471



16.1887, 17.8662, 10.8259



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.9703, 39.3566, 6.2842



61.7834, 69.0808, 10.0776



25.4797, 39.5031, 6.8127



10.2385, 10.9531, 10.1512



23.8371, 26.7130, 3.8998



0.9575, 1.0940, 0.1607

Inverse Universe

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



9.7731, 4.8514, 47.4346



16.3958, 7.0881, 84.7054



12.9170, 5.9206, 47.4753



9.0912, 9.3747, 12.0026



6.3626, 2.8369, 32.6051



0.2753, 0.1632, 1.2859

Previews

White Background



This preview shows how the XYZ color 34.9694, 39.3547, 6.2834 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 34.9694, 39.3547, 6.2834 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 34.9694, 39.3547, 6.2834

Background



This preview shows how black text looks on a background with the XYZ color 34.9694, 39.3547, 6.2834.



This preview shows how white text looks on a background with the XYZ color 34.9694, 39.3547,

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

34.9694, 39.3547, 6.2834

Protanopia

35.5243, 39.3636, 6.2559

Deuteranopia

40.2092, 39.3669, 6.5162



Tritanopia

42.5085, 39.2263, 43.3612

Trichromacy



Original Color

34.9694, 39.3547, 6.2834

Protanomaly

35.2754, 39.2352, 6.2443

Deuteranomaly

38.3320, 39.4501, 6.4049

Tritanomaly

37.9499, 38.3930, 21.3300

Monochromacy



Original Color

34.9694, 39.3547, 6.2834

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9364, 35.3372, 19.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9694, 39.3547, 6.2834 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(187, 170, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 17)  
}
```

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(187, 170, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 17) }
```

Border

The CSS property to change the border of an element to XYZ 34.9694, 39.3547, 6.2834 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(187, 170, 17) }
```


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

```
.border{ border-color:rgb(187, 170, 17) }
```

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

Here you see how a box with a 4 pixel rgb(187, 170, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 170, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 170, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 170,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9694, 39.3547, 6.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 170, 17) }
```

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

```
.background{ background-color: rgb(187,  
170, 17) }
```

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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