

Converting Colors

XYZ(33.9949, 33.8839, 51.7499)

Have a look what the booklet for
XYZ(33.9949, 33.8839, 51.7499)
contains.

XYZ(34.0174, 33.9006, 51.7643)	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(34.0174, 33.9006,
51.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9BBB
RGB	154, 155, 187
RGB Percent	60%, 61%, 73%
CMY	0.3961, 0.3921, 0.2667
CMYK	0.18, 0.17, 0.00, 0.27
HSL	238°, 20%, 67%
HSV	238°, 18%, 73%
XYZ	34.0174, 33.9006, 51.7643
YIQ	158.3490, -10.8680, 9.7400

Conversions

Conversions Part 2

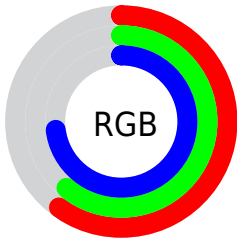
Format	Color
RYB	154, 155, 187
Decimal	10132411
CIELab	64.88, 6.36, -16.64
CIElCh	65, 17.814, 290.919
Yxy	33.9006, 0.2842, 0.2833
Android (android.graphics.Color)	4288322491 (0xFF9A9BBB)
YUV	158.3490, 14.1249, -3.8141
Hunter-Lab	58.2242, 2.3959, -11.9549

Details

The XYZ color **34.0174, 33.9006, 51.7643** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.8854, 48.0155, 37.5275**, and the grayscale version is **32.6001, 34.2978, 37.3503**.

A 20% lighter version of the original color is **65.2726, 65.6273, 94.0211**, and **14.7329, 14.4466, 24.5662** is the 20% darker color. If you saturate the color by 10%, you get **27.9374, 26.6186, 50.6797**, and if you desaturate by 10%, it is **41.1071, 42.3775, 53.0274**.

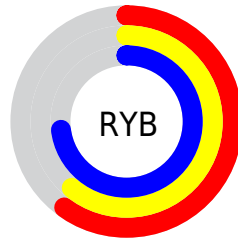
Distribution



Red (60%)

Green (61%)

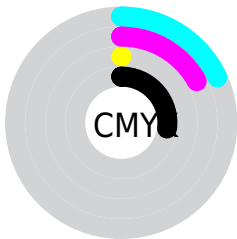
Blue (73%)



Red (60%)

Yellow (61%)

Blue (73%)

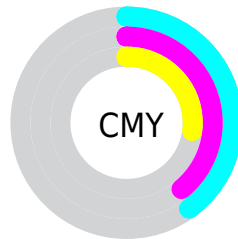


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (27%)



Cyan (40%)

Magenta (39%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0174, 33.9006, 51.7643 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 34.0174, 33.9006, 51.7643 by changing the saturation by 10% instead.

■ 34.0174, 33.9006,
51.7643

■ 34.0174, 33.9006,
51.7643

311.7942,
319.6886, 410.4570

■ 23.0699, 22.8172,
36.4363

■ 65.3048, 65.7791,
94.2066

■ 14.7661, 14.4586,
24.4790

■ 86.3755, 87.3430,
122.1579

■ 8.7407, 8.4403,
15.4738

111.5513,
113.1692, 155.1541

■ 4.6282, 4.3780,
9.0023

141.1975,
143.6421, 193.6138

■ 2.0633, 1.8872,
4.6458

175.6796,
179.1461, 237.9553

■ 0.6691, 0.5406,
1.9859

215.3628,

■ 0.0000, 0.0000,

220.0656, 288.5973

0.5466

260.6125,
266.7849, 345.9584

■ 0.0000, 0.0000,
0.0000

■ 34.0174, 33.9006,
51.7643

■ 34.0174, 33.9006,
51.7643

■ 27.9374, 26.6186,
50.6797

■ 41.1071, 42.3775,
53.0274

■ 22.8182, 20.4739,
49.7635

■ 49.2462, 52.0952,
54.4741

■ 18.6117, 15.4103,
49.0078

■ 58.4760, 63.1023,
56.1122

■ 15.2642, 11.3652,
48.4035

■ 68.8348, 75.4435,
57.9484

■ 12.7164, 8.2697,
47.9403

■ 80.3589, 89.1616,
59.9888

■ 10.9017, 6.0464,
47.6068

■ 85.9698, 96.3679,
61.0841

■ 9.7425, 4.6054,
47.3897

■ 9.1328, 3.8322,
47.2726

■ 9.0314, 3.7112,
47.2546

Harmonies

Analogous

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



31.4482, 33.9006, 52.7161



34.0174, 33.9006, 51.7643



36.2096, 33.9006, 46.5669

Triad

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



34.0174, 33.9006, 51.7643



35.4366, 33.9006, 26.9843



27.5862, 33.9006, 34.7241

Complementary

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



34.0174, 33.9006, 51.7643



43.8854, 48.0155, 37.5275

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.



28.5375, 33.9006, 28.6933



34.0174, 33.9006, 51.7643



33.0074, 33.9006, 24.6317

Square

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



34.0174, 33.9006, 51.7643



37.0588, 33.9006, 32.0882



30.4900, 33.9006, 25.2128



27.8246, 33.9006, 42.1965

Rectangle

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



34.0174, 33.9006, 51.7643



37.1183, 33.9006, 41.7320



30.4900, 33.9006, 25.2128



27.7755, 33.9006, 32.4782

Sweetspot

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



34.0185, 33.9020, 51.7651



77.1795, 80.1469, 95.6035



39.9497, 45.9522, 53.1633



16.7779, 17.3889, 21.0147



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.



34.0185, 33.9020, 51.7651



56.6983, 55.6567, 91.9559



36.9741, 35.1791, 51.8558



9.0391, 9.2705, 11.9852



6.2323, 2.5763, 32.5617



0.2522, 0.1170, 1.2781

Inverse Universe

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



37.9664, 36.0434, 35.9680



65.0340, 60.1948, 58.5976



40.5293, 46.5998, 37.4311



9.5416, 9.5409, 9.9750



14.1465, 7.2898, 0.7993



0.5582, 0.2872, 0.0527

Previews

White Background



This preview shows how the XYZ color 34.0174, 33.9006, 51.7643 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 34.0174, 33.9006, 51.7643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

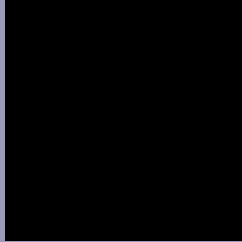
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0174, 33.9006, 51.7643

Background



This preview shows how black text looks on a background with the XYZ color 34.0174, 33.9006, 51.7643.



This preview shows how white text looks on a background with the XYZ color 34.0174, 33.9006,

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

34.0174, 33.9006, 51.7643

Protanopia

33.7281, 33.9871, 52.3595

Deuteranopia

34.6258, 33.9682, 51.7452



Tritanopia

32.2451, 33.9353, 42.8809

Trichromacy



Original Color

34.0174, 33.9006, 51.7643

Protanomaly

33.9145, 34.0832, 52.3682

Deuteranomaly

34.4299, 33.8672, 51.7361

Tritanomaly

32.8423, 33.9239, 45.8913

Monochromacy



Original Color

34.0174, 33.9006, 51.7643

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.1230, 34.1466, 42.3813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0174, 33.9006, 51.7643 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(154, 155, 187)` looks like.

```
.text, #text, p{  
    color:rgb(154, 155, 187)  
}
```

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(154, 155, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 155, 187) }
```

Border

The CSS property to change the border of an element to XYZ 34.0174, 33.9006, 51.7643 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(154, 155, 187) }
```


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

```
.border{ border-color:rgb(154, 155, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 155, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 155, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 155, 187);  
box-shadow:4px 4px 4px 4px rgb(154, 155,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0174, 33.9006, 51.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 155, 187) }
```

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

```
.background{ background-color: rgb(154,  
155, 187) }
```

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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