

Converting Colors

XYZ(33.2368, 34.0777, 45.9001)

Have a look what the booklet for
XYZ(33.2368, 34.0777, 45.9001)
contains.

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Color

**XYZ(33.2199, 34.1186,
45.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9DB0
RGB	154, 157, 176
RGB Percent	60%, 62%, 69%
CMY	0.3961, 0.3843, 0.3098
CMYK	0.12, 0.11, 0.00, 0.31
HSL	232°, 12%, 65%
HSV	232°, 12%, 69%
XYZ	33.2199, 34.1186, 45.9090
YIQ	158.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

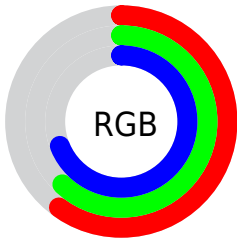
Format	Color
RYB	154, 157, 176
Decimal	10132912
CIELab	65.06, 2.82, -10.22
CIELCh	65, 10.601, 285.420
Yxy	34.1186, 0.2933, 0.3013
Android (android.graphics.Color)	4288322992 (0xFF9A9DB0)
YUV	158.2690, 8.7414, -3.7439
Hunter-Lab	58.4111, -0.7020, -5.7120

Details

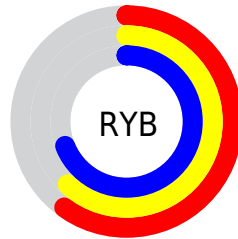
The XYZ color **33.2199, 34.1186, 45.9090** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6810, 41.4501, 36.5345**, and the grayscale version is **32.5865, 34.2835, 37.3347**.

A 20% lighter version of the original color is **64.1214, 66.3231, 85.7660**, and **14.3856, 14.6469, 21.1377** is the 20% darker color. If you saturate the color by 10%, you get **27.6993, 27.6907, 44.9598**, and if you desaturate by 10%, it is **39.5536, 41.4423, 46.9893**.

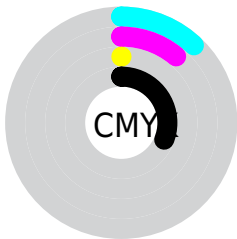
Distribution



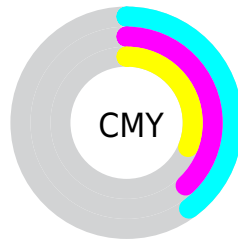
- Red (60%)
- Green (62%)
- Blue (69%)



- Red (60%)
- Yellow (62%)
- Blue (69%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2199, 34.1186, 45.9090 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 33.2199, 34.1186, 45.9090 by changing the saturation by 10% instead.

■ 33.2199, 34.1186,
45.9090

■ 33.2199, 34.1186,
45.9090

308.2869,
320.6606, 386.7096

■ 22.4550, 22.9847,
31.8259

■ 64.0711, 66.1181,
85.4156

■ 14.3101, 14.5822,
20.9648

■ 84.8881, 87.7524,
111.6762

■ 8.4198, 8.5267,
12.9073

109.7865,
113.6558, 142.8331

■ 4.4188, 4.4338,
7.2348

139.1316,
144.2124, 179.3047

■ 1.9417, 1.9191,
3.5287

173.2889,
179.8069, 221.5096

■ 0.6009, 0.5598,
1.3705

212.6236,

■ 0.0000, 0.0000,

220.8234, 269.8664

0.1186

257.5012,
267.6465, 324.7935

■ 0.0000, 0.0000,
0.0000

■ 33.2199, 34.1186,
45.9090

■ 33.2199, 34.1186,
45.9090

■ 27.6993, 27.6907,
44.9598

■ 39.5536, 41.4423,
46.9893

■ 22.9558, 22.1200,
44.1345

■ 46.7284, 49.6901,
48.2032

■ 18.9551, 17.3713,
43.4288

■ 54.7747, 58.8941,
49.5556

■ 15.6592, 13.4053,
42.8370

■ 63.7206, 69.0839,
51.0510

■ 13.0267, 10.1796,
42.3531

■ 73.5929, 80.2875,
52.6931

■ 11.0119, 7.6475,
41.9706

■ 82.7036, 91.6487,
54.4059

■ 9.5628, 5.7570,
41.6821

■ 84.8366, 95.9146,
55.1169

■ 8.6189, 4.4485,
41.4792

■ 8.1636, 3.7886,
41.3759

Harmonies

Analogous

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



31.6913, 34.1186, 45.9460



33.2199, 34.1186, 45.9090



34.5769, 34.1186, 43.4044

Triad

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



33.2199, 34.1186, 45.9090



34.5450, 34.1186, 31.4476



29.6551, 34.1186, 35.0617

Complementary

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



33.2199, 34.1186, 45.9090



38.6810, 41.4501, 36.5345

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.



30.3714, 34.1186, 31.5261



33.2199, 34.1186, 45.9090



33.1774, 34.1186, 29.5539

Square

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



33.2199, 34.1186, 45.9090



35.3582, 34.1186, 34.9466



31.6502, 34.1186, 29.5815



29.6656, 34.1186, 39.4427

Rectangle

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



33.2199, 34.1186, 45.9090



35.1877, 34.1186, 40.7778



31.6502, 34.1186, 29.5815



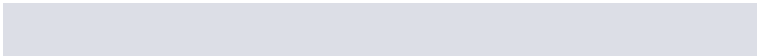
29.8178, 34.1186, 33.7428

Sweetspot

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



33.2209, 34.1200, 45.9098



69.8329, 72.9666, 84.8987



36.3662, 40.9269, 45.3667



14.9422, 15.5918, 18.3663



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.



33.2209, 34.1200, 45.9098



57.3395, 58.5006, 82.7649



34.2322, 33.8965, 45.8133



8.1324, 8.4110, 10.7012



6.0157, 2.8318, 30.3665



0.2187, 0.1479, 0.9653

Inverse Universe

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



35.5467, 34.7764, 36.7390



62.4036, 59.9637, 62.7896



37.5711, 41.7422, 36.6494



8.5420, 8.5235, 9.0867



13.2711, 6.8260, 1.3217



0.4324, 0.2207, 0.1197

Previews

White Background



This preview shows how the XYZ color 33.2199, 34.1186, 45.9090 looks on a white background.

Color Contrast Check

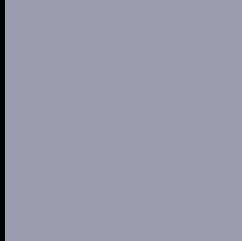
Large Text (above 18pt) WCAG AA × Fail

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 33.2199, 34.1186, 45.9090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

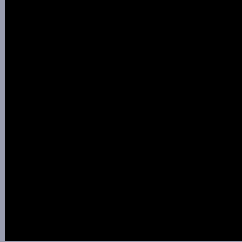
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2199, 34.1186, 45.9090

Background



This preview shows how black text looks on a background with the XYZ color 33.2199, 34.1186, 45.9090.



This preview shows how white text looks on a background with the XYZ color 33.2199, 34.1186,

45.9090.

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

33.2199, 34.1186, 45.9090

Protanopia

33.4110, 34.2171, 45.9179

Deuteranopia

34.8013, 34.1780, 46.3578



Tritanopia

32.6194, 34.1283, 42.8984

Trichromacy



Original Color

33.2199, 34.1186, 45.9090

Protanomaly

33.4110, 34.2171, 45.9179

Deuteranomaly

34.1544, 34.0906, 46.3750

Tritanomaly

32.8101, 34.2046, 43.9026

Monochromacy



Original Color

33.2199, 34.1186, 45.9090

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.9230, 34.3384, 40.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2199, 34.1186, 45.9090 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, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(154, 157, 176)  
}
```

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, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 157, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.2199, 34.1186, 45.9090 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, 157, 176) }
```


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

```
.border{ border-color:rgb(154, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(154, 157,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2199, 34.1186, 45.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 157, 176) }
```

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

```
.background{ background-color: rgb(154,  
157, 176) }
```

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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