

Converting Colors

XYZ(34.2229, 33.0237, 62.9630)

Have a look what the booklet for
XYZ(34.2229, 33.0237, 62.9630)
contains.

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Color

**XYZ(34.2229, 33.0237,
62.9630)**

Conversions

Conversions Part 1

Format	Color
Hex	9298CE
RGB	146, 152, 206
RGB Percent	57%, 60%, 81%
CMY	0.4274, 0.4039, 0.1922
CMYK	0.29, 0.26, 0.00, 0.19
HSL	234°, 38%, 69%
HSV	234°, 29%, 81%
XYZ	34.2229, 33.0237, 62.9630
YIQ	156.3620, -20.9100, 15.5220

Conversions

Conversions Part 2

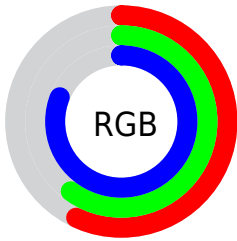
Format	Color
R_{YB}	146, 151, 206
Decimal	9607374
CIE _{Lab}	64.18, 10.11, -28.38
CIE _{LCh}	64, 30.128, 289.599
Yxy	33.0237, 0.2628, 0.2536
Android (android.graphics.Color)	4287797454 (0xFF9298CE)
YUV	156.3620, 24.4715, -9.0875
Hunter-Lab	57.4663, 5.7362, -24.7348

Details

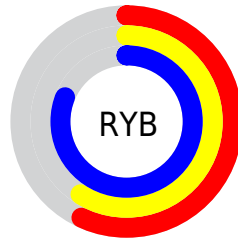
The XYZ color **34.2229, 33.0237, 62.9630** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2968, 56.5063, 35.3985**, and the grayscale version is **31.6632, 33.3122, 36.2770**.

A 20% lighter version of the original color is **64.2087, 63.7801, 103.5344**, and **14.9373, 13.9540, 31.6119** is the 20% darker color. If you saturate the color by 10%, you get **28.1081, 25.7488, 61.8817**, and if you desaturate by 10%, it is **41.4700, 41.5821, 64.2335**.

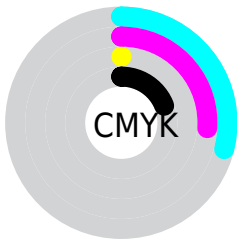
Distribution



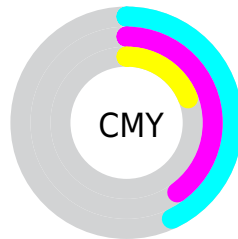
- Red (57%)
- Green (60%)
- Blue (81%)



- Red (57%)
- Yellow (59%)
- Blue (81%)



- Cyan (29%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (43%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2229, 33.0237, 62.9630 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 34.2229, 33.0237, 62.9630 by changing the saturation by 10% instead.

■ 34.2229, 33.0237,
62.9630

■ 34.2229, 33.0237,
62.9630

312.6933,
315.7565, 453.5394

■ 23.2286, 22.1446,
45.3705

■ 65.6221, 64.4125,
110.7012

■ 14.8840, 13.9632,
31.4043

■ 86.7578, 85.6910,
141.6839

■ 8.8238, 8.0951,
20.6458

112.0046,
111.2048, 177.9672

■ 4.6826, 4.1558,
12.6767

141.7279,
141.3383, 219.9694

■ 2.0951, 1.7611,
7.0782

176.2930,
176.4758, 268.1092

■ 0.6866, 0.4628,
3.4318

216.0654,

■ 0.0000, 0.0000,

217.0017, 322.8051

1.3191

261.4104,
263.3005, 384.4757

■ 0.0000, 0.0000,
0.0774

■ 0.0000, 0.0000,
0.0000

■ 34.2229, 33.0237,
62.9630

■ 34.2229, 33.0237,
62.9630

■ 28.1081, 25.7488,
61.8817

■ 41.4700, 41.5821,
64.2335

■ 23.0652, 19.6915,
60.9783

■ 49.8994, 51.4776,
65.6993

■ 19.0329, 14.7863,
60.2440

■ 59.5619, 62.7658,
67.3689

■ 15.9425, 10.9595,
59.6682

■ 70.5044, 75.4977,
69.2496

■ 13.7166, 8.1291,
59.2392

■ 82.7714, 89.7218,
71.3486

■ 12.2653, 6.2010,
58.9436

■ 88.1407, 97.2363,
72.5161

■ 11.4544, 5.0503,
58.7642

■ 11.4016, 4.9781,
58.7530

Harmonies

Analogous

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



29.9293, 33.0237, 64.3913



34.2229, 33.0237, 62.9630



38.0635, 33.0237, 53.4481

Triad

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



34.2229, 33.0237, 62.9630



37.0147, 33.0237, 20.8610



23.9866, 33.0237, 31.8777

Complementary

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



34.2229, 33.0237, 62.9630



51.2968, 56.5063, 35.3985

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.



25.5426, 33.0237, 22.7709



34.2229, 33.0237, 62.9630



32.8935, 33.0237, 17.4365

Square

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



34.2229, 33.0237, 62.9630



39.7738, 33.0237, 28.6337



28.7142, 33.0237, 18.0457



24.2725, 33.0237, 44.4337

Rectangle

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



34.2229, 33.0237, 62.9630



39.7278, 33.0237, 44.7906



28.7142, 33.0237, 18.0457



24.3056, 33.0237, 28.3689

Sweetspot

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



34.2240, 33.0250, 62.9638



80.8661, 83.4265, 106.4486



44.2350, 54.3779, 62.1981



16.8516, 17.3212, 22.7051



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.



34.2240, 33.0250, 62.9638



48.9904, 45.8338, 100.8725



37.7827, 33.4502, 62.8583



10.6905, 11.0215, 14.1343



7.0540, 3.1319, 36.1890



0.3954, 0.2246, 1.8775

Inverse Universe

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



41.4009, 35.9477, 34.4636



62.5368, 51.5240, 47.0396



46.7889, 56.2860, 35.5936



11.2572, 11.2316, 11.8888



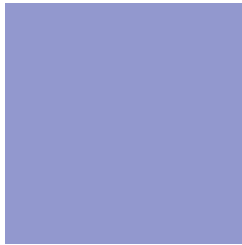
15.7714, 8.1192, 1.2490



0.8295, 0.4252, 0.1482

Previews

White Background



This preview shows how the XYZ color 34.2229, 33.0237, 62.9630 looks on a white background.

Color Contrast Check

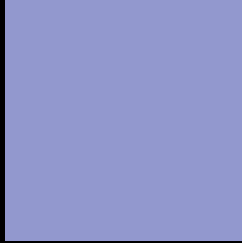
Large Text (above 18pt) WCAG AA × Fail

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 34.2229, 33.0237, 62.9630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

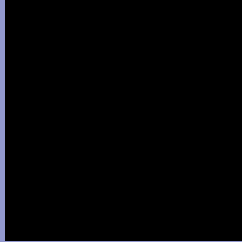
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2229, 33.0237, 62.9630

Background



This preview shows how black text looks on a background with the XYZ color 34.2229, 33.0237, 62.9630.



This preview shows how white text looks on a background with the XYZ color 34.2229, 33.0237,

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

34.2229, 33.0237, 62.9630

Protanopia

33.4689, 32.8629, 63.6107

Deuteranopia

33.8595, 33.0783, 62.9927



Tritanopia

30.3963, 33.2255, 43.3392

Trichromacy



Original Color

34.2229, 33.0237, 62.9630

Protanomaly

33.8090, 33.0382, 63.6266

Deuteranomaly

34.0334, 33.1680, 63.0008

Tritanomaly

31.6955, 32.9884, 50.0443

Monochromacy



Original Color

34.2229, 33.0237, 62.9630

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.3102, 33.1741, 44.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2229, 33.0237, 62.9630 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(146, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(146, 152, 206)  
}
```

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(146, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 152, 206) }
```

Border

The CSS property to change the border of an element to XYZ 34.2229, 33.0237, 62.9630 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(146, 152, 206) }
```


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

```
.border{ border-color:rgb(146, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(146, 152,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2229, 33.0237, 62.9630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 152, 206) }
```

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

```
.background{ background-color: rgb(146,  
152, 206) }
```

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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