

Converting Colors

XYZ(33.6021, 32.4412, 68.0961)

Have a look what the booklet for
XYZ(33.6021, 32.4412, 68.0961)
contains.

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Color

**XYZ(33.5207, 32.3066,
68.0874)**

Conversions

Conversions Part 1

Format	Color
Hex	8997D6
RGB	137, 151, 214
RGB Percent	54%, 59%, 84%
CMY	0.4627, 0.4078, 0.1608
CMYK	0.36, 0.29, 0.00, 0.16
HSL	229°, 48%, 69%
HSV	229°, 36%, 84%
XYZ	33.5207, 32.3066, 68.0874
YIQ	153.9960, -28.5670, 16.6250

Conversions

Conversions Part 2

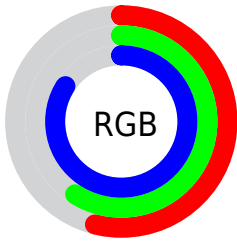
Format	Color
R_{YB}	137, 149, 214
Decimal	9017302
CIE _{Lab}	63.60, 10.18, -33.79
CIE _{LCh}	64, 35.293, 286.759
Yxy	32.3066, 0.2503, 0.2412
Android (android.graphics.Color)	4287207382 (0xFF8997D6)
YUV	153.9960, 29.5820, -14.9055
Hunter-Lab	56.8389, 5.8022, -31.2364

Details

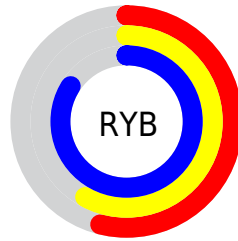
The XYZ color **33.5207, 32.3066, 68.0874** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.9020, 57.4117, 31.9614**, and the grayscale version is **30.5976, 32.1911, 35.0561**.

A 20% lighter version of the original color is **61.6195, 62.0891, 103.3444**, and **14.4713, 13.5024, 34.6444** is the 20% darker color. If you saturate the color by 10%, you get **27.7428, 25.4515, 67.0693**, and if you desaturate by 10%, it is **40.4151, 40.3598, 69.2790**.

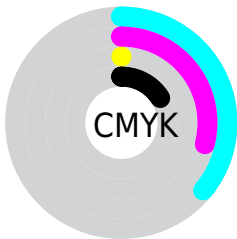
Distribution



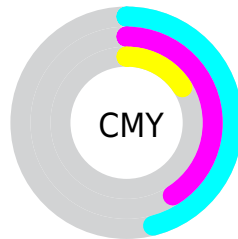
- Red (54%)
- Green (59%)
- Blue (84%)



- Red (54%)
- Yellow (58%)
- Blue (84%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (41%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5207, 32.3066, 68.0874 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 33.5207, 32.3066, 68.0874 by changing the saturation by 10% instead.

■ 33.5207, 32.3066,
68.0874

■ 33.5207, 32.3066,
68.0874

309.6132,
312.5136, 472.4121

■ 22.6868, 21.5958,
49.5017

■ 64.5369, 63.2914,
118.1326

■ 14.4818, 13.5602,
34.6492

■ 85.4498, 84.3342,
150.4291

■ 8.5405, 7.8154,
23.1114

■ 110.4532,
109.5899, 188.1330

■ 4.4974, 3.9771,
14.4697

139.9123,
139.4426, 231.6629

■ 1.9872, 1.6607,
8.3056

174.1925,
174.2770, 281.4371

■ 0.6267, 0.3980,
4.2006

213.6591,

■ 0.0000, 0.0000,

214.4774, 337.8744

1.7360

258.6776,
260.4281, 401.3932

■ 0.0000, 0.0000,
0.3852

■ 0.0000, 0.0000,
0.0000

■ 33.5207, 32.3066,
68.0874

■ 33.5207, 32.3066,
68.0874

■ 27.7428, 25.4515,
67.0693

■ 40.4151, 40.3598,
69.2790

■ 23.0183, 19.7327,
66.2145

■ 48.4777, 49.6615,
70.6495

■ 19.2827, 15.0884,
65.5150

■ 57.7612, 60.2636,
72.2066

■ 16.4633, 11.4492,
64.9611

■ 68.3140, 72.2139,
73.9571

■ 14.4761, 8.7370,
64.5423

■ 80.1817, 85.5578,
75.9072

■ 13.2204, 6.8605,
64.2463

■ 89.1377, 97.6351,
77.7663

■ 12.8603, 6.3002,
64.1572

Harmonies

Analogous

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



28.5866, 32.3066, 68.7592



33.5207, 32.3066, 68.0874



38.1399, 32.3066, 57.2367

Triad

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



33.5207, 32.3066, 68.0874



37.6666, 32.3066, 18.8787



22.3750, 32.3066, 29.3191

Complementary

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



33.5207, 32.3066, 68.0874



52.9020, 57.4117, 31.9614

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.



24.3076, 32.3066, 19.6673



33.5207, 32.3066, 68.0874



32.9286, 32.3066, 14.8201

Square

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



33.5207, 32.3066, 68.0874



40.7033, 32.3066, 27.9170



28.0543, 32.3066, 15.0638



22.4971, 32.3066, 43.5964

Rectangle

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



33.5207, 32.3066, 68.0874



40.2627, 32.3066, 47.0092



28.0543, 32.3066, 15.0638



22.7963, 32.3066, 25.5172

Sweetspot

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



33.5218, 32.3078, 68.0882



78.5835, 81.2841, 106.1554



44.7757, 57.5770, 63.3265



16.4199, 16.9408, 22.6544



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.



33.5218, 32.3078, 68.0882



43.2957, 40.2853, 100.1017



35.8596, 30.3645, 67.5898



11.9234, 12.3703, 15.6968



7.8280, 3.9179, 38.7968



0.5280, 0.3481, 2.3587

Inverse Universe

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



42.2641, 34.4230, 33.6961



58.2366, 44.3450, 41.2242



49.7024, 60.7979, 32.7837



12.5145, 12.4573, 13.3839



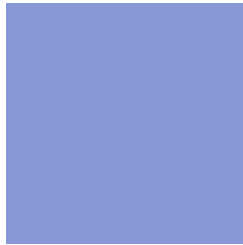
17.0101, 8.7404, 2.0913



1.0542, 0.5385, 0.2747

Previews

White Background



This preview shows how the XYZ color 33.5207, 32.3066, 68.0874 looks on a white background.

Color Contrast Check

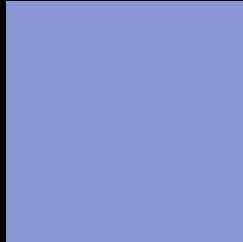
Large Text (above 18pt) WCAG AA × Fail

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 33.5207, 32.3066, 68.0874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

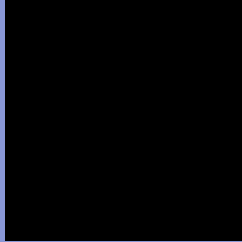
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5207, 32.3066, 68.0874

Background



This preview shows how black text looks on a background with the XYZ color 33.5207, 32.3066, 68.0874.



This preview shows how white text looks on a background with the XYZ color 33.5207, 32.3066,

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

33.5207, 32.3066, 68.0874

Protanopia

33.3575, 32.4624, 68.1261

Deuteranopia

33.1974, 32.3798, 68.1186



Tritanopia

28.5969, 32.2869, 43.7545

Trichromacy



Original Color

33.5207, 32.3066, 68.0874

Protanomaly

33.5192, 32.5458, 68.1336

Deuteranomaly

33.3575, 32.4624, 68.1261

Tritanomaly

30.2182, 32.1901, 51.6343

Monochromacy



Original Color

33.5207, 32.3066, 68.0874

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.4404, 32.2130, 45.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5207, 32.3066, 68.0874 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(137, 151, 214)` looks like.

```
.text, #text, p{  
    color:rgb(137, 151, 214)  
}
```

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(137, 151, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 151, 214) }
```

Border

The CSS property to change the border of an element to XYZ 33.5207, 32.3066, 68.0874 is called "border". The border property can be set on classes, ids or directly on the HTML element.

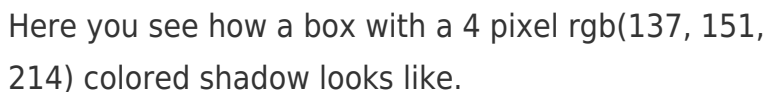
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 151, 214) }
```


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

```
.border{ border-color:rgb(137, 151, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 151, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 151, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 151, 214); box-shadow:4px 4px 4px 4px rgb(137, 151, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5207, 32.3066, 68.0874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 151, 214) }
```

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

```
.background{ background-color: rgb(137,  
151, 214) }
```

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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