

Converting Colors

XYZ(34.5749, 32.2811, 69.0002)

Have a look what the booklet for
XYZ(34.5749, 32.2811, 69.0002)
contains.

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Color

**XYZ(34.5148, 32.3305,
68.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	9095D7
RGB	144, 149, 215
RGB Percent	56%, 58%, 84%
CMY	0.4353, 0.4157, 0.1569
CMYK	0.33, 0.31, 0.00, 0.16
HSL	236°, 47%, 70%
HSV	236°, 33%, 84%
XYZ	34.5148, 32.3305, 68.7113
YIQ	155.0290, -24.1660, 19.4660

Conversions

Conversions Part 2

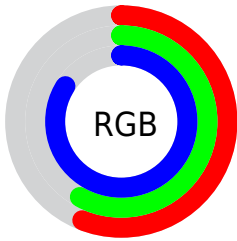
Format	Color
RYB	144, 149, 215
Decimal	9475543
CIELab	63.62, 13.55, -34.28
CIELCh	64, 36.861, 291.567
Yxy	32.3305, 0.2546, 0.2385
Android (android.graphics.Color)	4287665623 (0xFF9095D7)
YUV	155.0290, 29.5657, -9.6724
Hunter-Lab	56.8599, 8.8473, -31.8459

Details

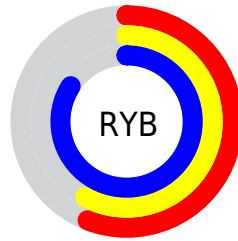
The XYZ color **34.5148, 32.3305, 68.7113** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1058, 62.5547, 35.5040**, and the grayscale version is **31.0505, 32.6675, 35.5749**.

A 20% lighter version of the original color is **62.9591, 62.0740, 103.2709**, and **15.0272, 13.4976, 35.0710** is the 20% darker color. If you saturate the color by 10%, you get **28.2158, 24.7857, 67.5876**, and if you desaturate by 10%, it is **42.0737, 41.3316, 70.0509**.

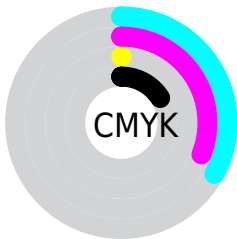
Distribution



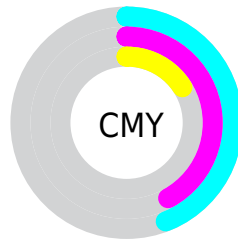
- Red (56%)
- Green (58%)
- Blue (84%)



- Red (56%)
- Yellow (58%)
- Blue (84%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5148, 32.3305, 68.7113 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 34.5148, 32.3305, 68.7113 by changing the saturation by 10% instead.

■ 34.5148, 32.3305,
68.7113

■ 34.5148, 32.3305,
68.7113

313.9671,
312.6220, 474.6784

■ 23.4541, 21.6141,
50.0063

■ 66.0724, 63.3288,
119.0329

■ 15.0517, 13.5736,
35.0472

■ 87.3001, 84.3796,
151.4867

■ 8.9422, 7.8247,
23.4154

112.6474,
109.6438, 189.3605

■ 4.7603, 3.9830,
14.6924

142.4798,
139.5060, 233.0728

■ 2.1406, 1.6640,
8.4595

177.1626,
174.3505, 283.0422

■ 0.7112, 0.4002,
4.2984

217.0612,

■ 0.0000, 0.0000,

214.5618, 339.6873

1.7904

262.5409,
260.5241, 403.4265

■ 0.0000, 0.0000,
0.4216

■ 0.0000, 0.0000,
0.0000

■ 34.5148, 32.3305,
68.7113

■ 34.5148, 32.3305,
68.7113

■ 28.2158, 24.7857,
67.5876

■ 42.0737, 41.3316,
70.0509

■ 23.1050, 18.6171,
66.6663

■ 50.9524, 51.8560,
71.6143

■ 19.1084, 13.7425,
65.9360

■ 61.2110, 63.9711,
73.4121

■ 16.1427, 10.0695,
65.3834

■ 72.9048, 77.7392,
75.4533

■ 14.1124, 7.4932,
64.9931

■ 86.0862, 93.2192,
77.7465

■ 12.9044, 5.8909,
64.7475

■ 89.2659, 97.6863,
78.4411

■ 12.4387, 5.2520,
64.6487

Harmonies

Analogous

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



29.2997, 32.3305, 71.3670



34.5148, 32.3305, 68.7113



39.1570, 32.3305, 55.9369

Triad

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



34.5148, 32.3305, 68.7113



37.3046, 32.3305, 17.3327



21.9378, 32.3305, 31.2051

Complementary

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



34.5148, 32.3305, 68.7113



56.1058, 62.5547, 35.5040

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.



23.6067, 32.3305, 20.3530



34.5148, 32.3305, 68.7113



32.2043, 32.3305, 13.9415

Square

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



34.5148, 32.3305, 68.7113



40.8888, 32.3305, 25.7729



27.2310, 32.3305, 14.8667



22.4094, 32.3305, 46.6900

Rectangle

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



34.5148, 32.3305, 68.7113



41.1133, 32.3305, 44.9525



27.2310, 32.3305, 14.8667



22.2597, 32.3305, 26.9752

Sweetspot

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



34.5159, 32.3317, 68.7121



79.1816, 81.2779, 106.1226



47.3219, 59.1386, 69.2972



16.5071, 16.8755, 22.6372



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.



34.5159, 32.3317, 68.7121



43.7894, 39.1974, 99.8656



39.6030, 33.8050, 68.7283



11.8122, 12.1477, 15.6597



7.4682, 3.1983, 38.6769



0.4756, 0.2433, 2.3412

Inverse Universe

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



43.4234, 36.5647, 33.2040



58.9924, 46.5869, 39.2247



49.4437, 60.9815, 35.5515



12.4584, 12.4348, 13.0881



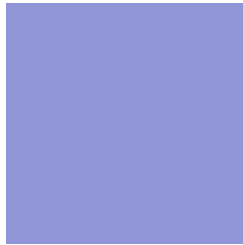
16.8285, 8.6677, 1.1349



1.0277, 0.5279, 0.1354

Previews

White Background



This preview shows how the XYZ color 34.5148, 32.3305, 68.7113 looks on a white background.

Color Contrast Check

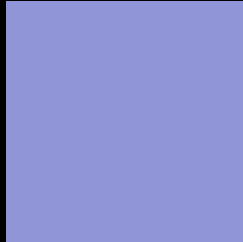
Large Text (above 18pt) WCAG AA × Fail

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 34.5148, 32.3305, 68.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

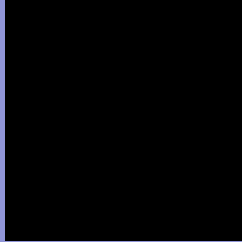
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5148, 32.3305, 68.7113

Background



This preview shows how black text looks on a background with the XYZ color 34.5148, 32.3305, 68.7113.



This preview shows how white text looks on a background with the XYZ color 34.5148, 32.3305,

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

34.5148, 32.3305, 68.7113

Protanopia

33.5841, 32.5346, 70.1554

Deuteranopia

33.0387, 32.2981, 68.1112



Tritanopia

29.3141, 32.4243, 42.7437

Trichromacy



Original Color

34.5148, 32.3305, 68.7113

Protanomaly

33.9425, 32.4944, 69.4488

Deuteranomaly

33.5207, 32.3066, 68.0874

Tritanomaly

31.0655, 32.3911, 51.0692

Monochromacy



Original Color

34.5148, 32.3305, 68.7113

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.0895, 32.5361, 46.1838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5148, 32.3305, 68.7113 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(144, 149, 215)` looks like.

```
.text, #text, p{  
    color:rgb(144, 149, 215)  
}
```

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(144, 149, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 149, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.5148, 32.3305, 68.7113 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(144, 149, 215) }
```


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

```
.border{ border-color:rgb(144, 149, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 149, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 149, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 149, 215);  
box-shadow:4px 4px 4px 4px rgb(144, 149,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5148, 32.3305, 68.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 149, 215) }
```

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

```
.background{ background-color: rgb(144,  
149, 215) }
```

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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