

Converting Colors

XYZ(34.9737, 33.9685, 58.6923)

Have a look what the booklet for
XYZ(34.9737, 33.9685, 58.6923)
contains.

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Color

**XYZ(35.0013, 34.0070,
58.7521)**

Conversions

Conversions Part 1

Format	Color
Hex	999AC7
RGB	153, 154, 199
RGB Percent	60%, 60%, 78%
CMY	0.4000, 0.3961, 0.2196
CMYK	0.23, 0.23, 0.00, 0.22
HSL	239°, 29%, 69%
HSV	239°, 23%, 78%
XYZ	35.0013, 34.0070, 58.7521
YIQ	158.8310, -15.0410, 13.7830

Conversions

Conversions Part 2

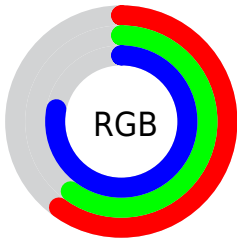
Format	Color
R _Y B	153, 154, 199
Decimal	10066631
CIE Lab	64.97, 9.39, -23.22
CIE LCh	65, 25.049, 292.007
Yxy	34.0070, 0.2740, 0.2662
Android (android.graphics.Color)	4288256711 (0xFF999AC7)
YUV	158.8310, 19.8033, -5.1138
Hunter-Lab	58.3155, 5.0845, -18.9130

Details

The XYZ color **35.0013, 34.0070, 58.7521** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.4976, 54.8306, 38.1127**, and the grayscale version is **32.7957, 34.5036, 37.5745**.

A 20% lighter version of the original color is **66.6183, 65.7416, 103.7860**, and **15.3279, 14.5115, 28.7812** is the 20% darker color. If you saturate the color by 10%, you get **28.5973, 26.3172, 57.6059**, and if you desaturate by 10%, it is **42.5549, 43.0646, 60.1028**.

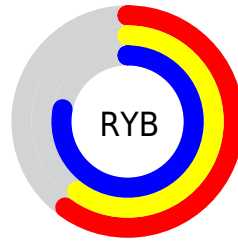
Distribution



Red (60%)

Green (60%)

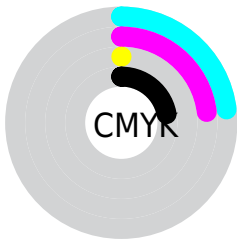
Blue (78%)



Red (60%)

Yellow (60%)

Blue (78%)

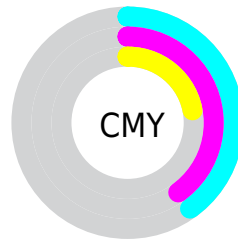


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (22%)



Cyan (40%)

Magenta (40%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0013, 34.0070, 58.7521 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 35.0013, 34.0070, 58.7521 by changing the saturation by 10% instead.

■ 35.0013, 34.0070,
58.7521

■ 35.0013, 34.0070,
58.7521

316.0820,
320.1633, 437.6589

■ 23.8304, 22.8990,
41.9949

■ 66.8218, 65.9446,
104.5429

■ 15.3319, 14.5189,
28.7718

■ 88.2021, 87.5429,
134.4135

■ 9.1405, 8.4825,
18.6641

113.7162,
113.4068, 169.4923

■ 4.8908, 4.4052,
11.2535

143.7296,
143.9206, 210.1980

■ 2.2174, 1.9027,
6.1213

178.6074,
179.4687, 256.9489

■ 0.7519, 0.5500,
2.8490

218.7152,

■ 0.0000, 0.0000,

220.4357, 310.1637

1.0181

264.4183,
267.2057, 370.2608

■ 0.0000, 0.0000,
0.0000

■ 35.0013, 34.0070,
58.7521

■ 35.0013, 34.0070,
58.7521

■ 28.5973, 26.3172,
57.6059

■ 42.5549, 43.0646,
60.1028

■ 23.2836, 19.9249,
56.6521

■ 51.3072, 53.5475,
61.6649

■ 19.0004, 14.7597,
55.8809

■ 61.3082, 65.5149,
63.4478

■ 15.6808, 10.7432,
55.2806

■ 72.6043, 79.0217,
65.4595

■ 13.2504, 7.7876,
54.8382

■ 85.2395, 94.1196,
67.7077

■ 11.6234, 5.7925,
54.5389

■ 87.3089, 96.9036,
68.1360

■ 10.6974, 4.6386,
54.3649

■ 10.3559, 4.2175,
54.3017

Harmonies

Analogous

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



31.3645, 34.0070, 60.4810



35.0013, 34.0070, 58.7521



38.1235, 34.0070, 50.7023

Triad

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



35.0013, 34.0070, 58.7521



36.7988, 34.0070, 23.4364



25.9089, 34.0070, 34.3248

Complementary

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



35.0013, 34.0070, 58.7521



49.4976, 54.8306, 38.1127

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.



27.1422, 34.0070, 26.0638



35.0013, 34.0070, 58.7521



33.3001, 34.0070, 20.5892

Square

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



35.0013, 34.0070, 58.7521



39.2141, 34.0070, 30.0499



29.7842, 34.0070, 21.4520



26.2899, 34.0070, 45.0101

Rectangle

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



35.0013, 34.0070, 58.7521



39.4040, 34.0070, 43.5324



29.7842, 34.0070, 21.4520



26.1449, 34.0070, 31.2058

Sweetspot

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



35.0024, 34.0084, 58.7529



83.4654, 86.1309, 106.8336



43.6927, 51.6725, 60.7757



17.6622, 18.1926, 22.8306



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.



35.0024, 34.0084, 58.7529



55.1025, 52.1231, 101.7643



39.2607, 35.9595, 58.9050



10.0749, 10.3238, 13.3792



6.6673, 2.7286, 34.9196



0.3223, 0.1424, 1.6556

Inverse Universe

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



40.7781, 37.2588, 35.6157



67.0707, 58.8843, 53.8145



44.4272, 52.5574, 37.9411



10.6431, 10.6406, 11.1037



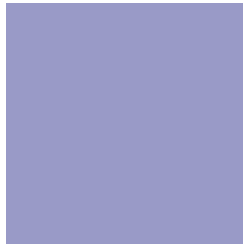
15.1647, 7.8154, 0.8112



0.7214, 0.3714, 0.0560

Previews

White Background



This preview shows how the XYZ color 35.0013, 34.0070, 58.7521 looks on a white background.

Color Contrast Check

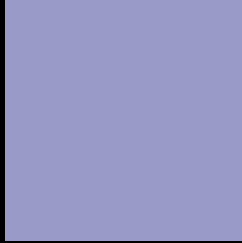
Large Text (above 18pt) WCAG AA × Fail

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 35.0013, 34.0070, 58.7521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

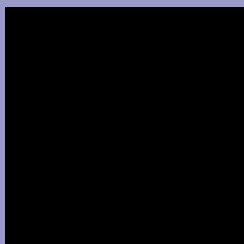
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0013, 34.0070, 58.7521

Background



This preview shows how black text looks on a background with the XYZ color 35.0013, 34.0070, 58.7521.



This preview shows how white text looks on a background with the XYZ color 35.0013, 34.0070,

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

35.0013, 34.0070, 58.7521

Protanopia

34.1679, 34.0581, 59.4166

Deuteranopia

34.7926, 34.1455, 58.7898



Tritanopia

32.0573, 34.0707, 43.9164

Trichromacy



Original Color

35.0013, 34.0070, 58.7521

Protanomaly

34.5411, 34.0024, 59.3862

Deuteranomaly

34.9790, 34.2416, 58.7985

Tritanomaly

33.0781, 33.9754, 49.0705

Monochromacy



Original Color

35.0013, 34.0070, 58.7521

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.6016, 34.3380, 44.9013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0013, 34.0070, 58.7521 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(153, 154, 199)` looks like.

```
.text, #text, p{  
    color:rgb(153, 154, 199)  
}
```

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(153, 154, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 154, 199) }
```

Border

The CSS property to change the border of an element to XYZ 35.0013, 34.0070, 58.7521 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(153, 154, 199) }
```


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

```
.border{ border-color:rgb(153, 154, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 154, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 154, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 154, 199);  
box-shadow:4px 4px 4px 4px rgb(153, 154,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0013, 34.0070, 58.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 154, 199) }
```

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

```
.background{ background-color: rgb(153,  
154, 199) }
```

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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