

Converting Colors

XYZ(40.0252, 33.9233, 99.0460)

Have a look what the booklet for
XYZ(40.0252, 33.9233, 99.0460)
contains.

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Color

**XYZ(40.1608, 34.1072,
99.0744)**

Conversions

Conversions Part 1

Format	Color
Hex	9193FF
RGB	145, 147, 255
RGB Percent	57%, 58%, 100%
CMY	0.4314, 0.4235, 0.0000
CMYK	0.43, 0.42, 0.00, 0.00
HSL	239°, 100%, 78%
HSV	239°, 43%, 100%
XYZ	40.1608, 34.1072, 99.0744
YIQ	158.7140, -35.8600, 33.1640

Conversions

Conversions Part 2

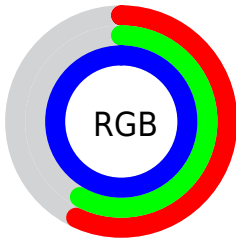
Format	Color
R _Y B	145, 147, 255
Decimal	9540607
CIE Lab	65.05, 25.85, -54.07
CIE LCh	65, 59.930, 295.555
Yxy	34.1072, 0.2317, 0.1968
Android (android.graphics.Color)	4287730687 (0xFF9193FF)
YUV	158.7140, 47.4690, -12.0272
Hunter-Lab	58.4014, 20.5465, -59.7009

Details

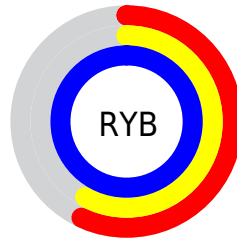
The XYZ color **40.1608, 34.1072, 99.0744** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.4773, 93.5567, 40.5540**, and the grayscale version is **32.6274, 34.3265, 37.3816**.

A 20% lighter version of the original color is **63.5652, 61.6898, 103.1648**, and **18.3982, 14.6528, 55.2847** is the 20% darker color. If you saturate the color by 10%, you get **32.6825, 25.0883, 97.7277**, and if you desaturate by 10%, it is **49.4970, 45.3424, 100.7509**.

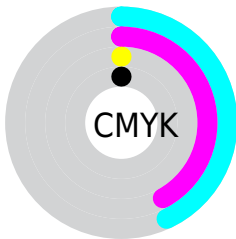
Distribution



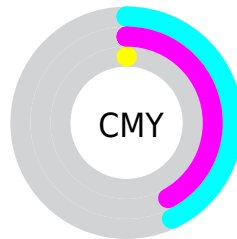
- Red (57%)
- Green (58%)
- Blue (100%)



- Red (57%)
- Yellow (58%)
- Blue (100%)



- Cyan (43%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1608, 34.1072, 99.0744 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 40.1608, 34.1072, 99.0744 by changing the saturation by 10% instead.

■ 40.1608, 34.1072,
99.0744

■ 40.1608, 34.1072,
99.0744

337.9237,
320.6098, 578.4423

■ 27.8487, 22.9760,
74.9152

■ 74.6911, 66.1003,
161.9254

■ 18.3515, 14.5758,
55.0421

■ 97.6400, 87.7310,
201.4542

■ 11.3039, 8.5222,
39.0366

124.8652,
113.6303, 246.9434

■ 6.3404, 4.4309,
26.4801

156.7322,
144.1826, 298.8113

■ 3.0958, 1.9174,
16.9542

193.6061,
179.7723, 357.4767

■ 1.2046, 0.5588,
10.0402

235.8524,

■ 0.1100, 0.0000,

220.7838, 423.3579

5.3197

283.8365,
267.6015, 496.8736

■ 0.0000, 0.0000,
2.3740

■ 0.0000, 0.0000,
0.7723

■ 40.1608, 34.1072,
99.0744

■ 40.1608, 34.1072,
99.0744

■ 32.6825, 25.0883,
97.7277

■ 49.4970, 45.3424,
100.7509

■ 26.9347, 18.1361,
96.6887

■ 60.7998, 58.9236,
102.7766

■ 22.7796, 13.0879,
95.9333

■ 74.1741, 74.9742,
105.1698

■ 20.0572, 9.7551,
95.4335

■ 89.7162, 93.6085,
107.9474

■ 18.5737, 7.9107,
95.1557

95.0500, 100.0000,
108.9000

■ 18.1003, 7.3205,
95.0668

Harmonies

Analogous

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



31.1420, 34.1072, 108.0477



40.1608, 34.1072, 99.0744



48.2150, 34.1072, 71.2488

Triad

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



40.1608, 34.1072, 99.0744



42.7998, 34.1072, 10.0263



18.4668, 34.1072, 33.5557

Complementary

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



40.1608, 34.1072, 99.0744



81.4773, 93.5567, 40.5540

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.



20.5138, 34.1072, 16.1369



40.1608, 34.1072, 99.0744



33.7281, 34.1072, 6.9652

Square

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



40.1608, 34.1072, 99.0744



49.9194, 34.1072, 20.1031



25.7402, 34.1072, 8.5577



19.5754, 34.1072, 61.7977

Rectangle

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



40.1608, 34.1072, 99.0744



51.4072, 34.1072, 50.3765



25.7402, 34.1072, 8.5577



18.7967, 34.1072, 26.4476

Sweetspot

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



40.1620, 34.1084, 99.0745



74.3698, 75.2089, 105.2048



64.9032, 84.5263, 104.4371



15.2458, 15.2911, 22.3979



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.



40.1620, 34.1084, 99.0745



33.4421, 26.0055, 97.8647



51.0286, 39.2532, 99.4949



17.0295, 17.4305, 22.7168



9.4692, 3.8480, 49.6782



0.9309, 0.3925, 4.8400

Inverse Universe

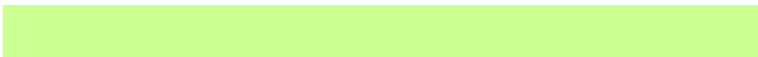
The Inverse Universe completely reimagines the original color for something new.



56.6328, 43.6190, 33.0391



51.9382, 36.7533, 23.6944



65.6824, 86.3551, 39.9965



18.0228, 17.9924, 18.7371



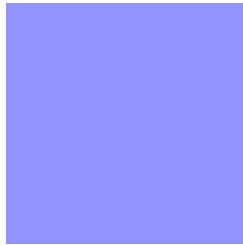
21.5678, 11.1164, 1.1087



2.1045, 1.0842, 0.1316

Previews

White Background



This preview shows how the XYZ color 40.1608, 34.1072, 99.0744 looks on a white background.

Color Contrast Check

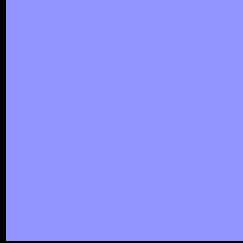
Large Text (above 18pt) WCAG AA × Fail

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 40.1608, 34.1072, 99.0744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

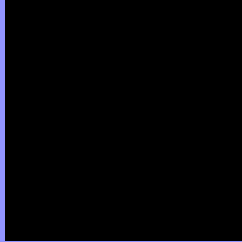
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1608, 34.1072, 99.0744

Background



This preview shows how black text looks on a background with the XYZ color 40.1608, 34.1072, 99.0744.



This preview shows how white text looks on a background with the XYZ color 40.1608, 34.1072,

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

40.1608, 34.1072, 99.0744

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

35.4360, 34.3703, 97.6950



Tritanopia

29.6687, 34.0852, 46.6104

Trichromacy



Original Color

40.1608, 34.1072, 99.0744

Protanomaly

38.0187, 33.9424, 99.1555

Deuteranomaly

36.9162, 34.1185, 98.4058

Tritanomaly

32.7620, 33.7670, 62.5486

Monochromacy



Original Color

40.1608, 34.1072, 99.0744

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.7854, 34.2078, 55.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1608, 34.1072, 99.0744 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(145, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 147, 255)  
}
```

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(145, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1608, 34.1072, 99.0744 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(145, 147, 255) }
```


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

```
.border{ border-color:rgb(145, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1608, 34.1072, 99.0744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 147, 255) }
```

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

```
.background{ background-color: rgb(145,  
147, 255) }
```

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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