

Converting Colors

XYZ(40.0068, 31.7192, 93.6413)

Have a look what the booklet for
XYZ(40.0068, 31.7192, 93.6413)
contains.

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Color

**XYZ(40.0036, 31.7170,
93.6361)**

Conversions

Conversions Part 1

Format	Color
Hex	9E88F9
RGB	158, 136, 249
RGB Percent	62%, 53%, 98%
CMY	0.3804, 0.4667, 0.0235
CMYK	0.37, 0.45, 0.00, 0.02
HSL	252°, 90%, 75%
HSV	252°, 45%, 98%
XYZ	40.0036, 31.7170, 93.6361
YIQ	155.4600, -23.1610, 39.8070

Conversions

Conversions Part 2

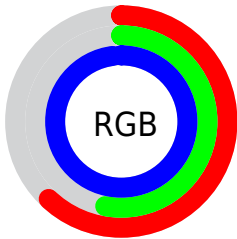
Format	Color
R _Y B	158, 136, 249
Decimal	10389753
CIE Lab	63.11, 33.72, -53.80
CIE LCh	63, 63.493, 302.080
Yxy	31.7170, 0.2419, 0.1918
Android (android.graphics.Color)	4288579833 (0xFF9E88F9)
YUV	155.4600, 46.1152, 2.2276
Hunter-Lab	56.3178, 28.2356, -59.1552

Details

The XYZ color **40.0036, 31.7170, 93.6361** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.9984, 85.8603, 36.1769**, and the grayscale version is **31.1698, 32.7931, 35.7117**.

A 20% lighter version of the original color is **64.7824, 58.6458, 102.5131**, and **18.3217, 13.2861, 51.4680** is the 20% darker color. If you saturate the color by 10%, you get **33.2679, 23.6301, 92.4308**, and if you desaturate by 10%, it is **48.1998, 41.7669, 95.1446**.

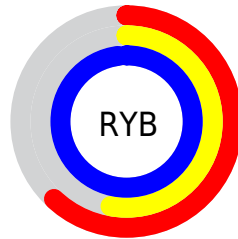
Distribution



Red (62%)

Green (53%)

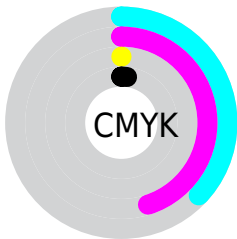
Blue (98%)



Red (62%)

Yellow (53%)

Blue (98%)

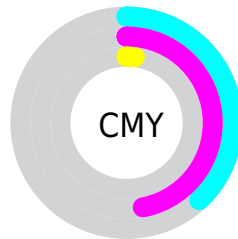


Cyan (37%)

Magenta (45%)

Yellow (0%)

Black (2%)



Cyan (38%)

Magenta (47%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0036, 31.7170, 93.6361 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 40.0036, 31.7170, 93.6361 by changing the saturation by 10% instead.

40.0036, 31.7170,
93.6361

40.0036, 31.7170,
93.6361

337.2729,
309.8281, 560.6617

27.7256, 21.1454,
70.4097

74.4533, 62.3672,
154.3583

18.2583, 13.2303,
51.3818

97.3557, 83.2146,
192.6912

11.2364, 7.5874,
36.1337

124.5302,
108.2560, 236.8967

6.2945, 3.8321,
24.2469

156.3423,
137.8759, 287.3933

3.0673, 1.5801,
15.3030

193.1573,
172.4587, 344.5995

1.1895, 0.3441,
8.8833

235.3404,

0.0980, 0.0000,

212.3887, 408.9340

4.5694

283.2572,
258.0504, 480.8152

■ 0.0000, 0.0000,
1.9426

■ 0.0000, 0.0000,
0.5197

■ 40.0036, 31.7170,
93.6361

■ 40.0036, 31.7170,
93.6361

■ 33.2679, 23.6301,
92.4308

■ 48.1998, 41.7669,
95.1446

■ 27.9006, 17.3721,
91.5058

■ 57.9335, 53.8948,
96.9724

■ 23.8046, 12.7977,
90.8387

■ 69.2807, 68.2107,
99.1376

■ 20.8673, 9.7370,
90.4027

■ 82.3112, 84.8159,
101.6560

■ 18.9546, 7.9825,
90.1649

■ 94.0990, 99.6196,
103.8921

■ 18.3408, 7.4798,
90.1002

Harmonies

Analogous

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



30.7615, 31.7170, 108.6296



40.0036, 31.7170, 93.6361



47.6085, 31.7170, 62.3965

Triad

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



40.0036, 31.7170, 93.6361



38.7386, 31.7170, 7.0448



16.2544, 31.7170, 36.3149

Complementary

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



40.0036, 31.7170, 93.6361



69.9984, 85.8603, 36.1769

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.



17.5801, 31.7170, 16.5168



40.0036, 31.7170, 93.6361



29.5389, 31.7170, 5.2822

Square

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



40.0036, 31.7170, 93.6361



46.7843, 31.7170, 14.7308



22.0575, 31.7170, 7.6691



18.0102, 31.7170, 67.0038

Rectangle

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



40.0036, 31.7170, 93.6361



50.0908, 31.7170, 41.6149



22.0575, 31.7170, 7.6691



16.3537, 31.7170, 28.3064

Sweetspot

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



40.0049, 31.7182, 93.6369



74.9027, 74.2491, 104.9915



55.0745, 67.7175, 99.7912



15.4355, 15.1353, 22.3578



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.



40.0049, 31.7182, 93.6369



35.9673, 25.9519, 97.7213



53.4074, 38.6274, 94.2641



16.5985, 16.8056, 21.7543



9.9065, 4.0496, 48.2331



0.9982, 0.4166, 4.4710

Inverse Universe

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



61.7368, 43.2949, 77.7755



61.6662, 39.6645, 77.9423



55.2862, 78.2759, 35.4884



17.8396, 17.4632, 21.0113



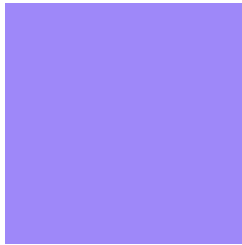
26.5761, 13.0461, 30.8056



2.4972, 1.2226, 3.0416

Previews

White Background



This preview shows how the XYZ color 40.0036, 31.7170, 93.6361 looks on a white background.

Color Contrast Check

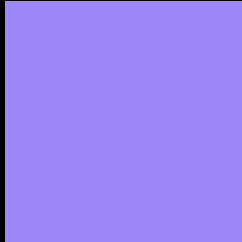
Large Text (above 18pt) WCAG AA × Fail

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 40.0036, 31.7170, 93.6361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

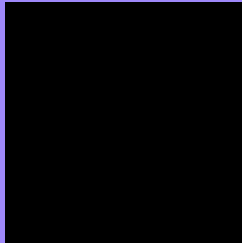
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0036, 31.7170, 93.6361

Background



This preview shows how black text looks on a background with the XYZ color 40.0036, 31.7170, 93.6361.



This preview shows how white text looks on a background with the XYZ color 40.0036, 31.7170,

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

40.0036, 31.7170, 93.6361

Protanopia

34.9818, 31.9030, 98.9219

Deuteranopia

32.9097, 31.9717, 90.8228



Tritanopia

29.5116, 31.8082, 41.1434

Trichromacy



Original Color

40.0036, 31.7170, 93.6361

Protanomaly

36.3071, 31.4740, 97.0900

Deuteranomaly

34.8140, 31.5143, 91.4368

Tritanomaly

32.7006, 31.4141, 57.1633

Monochromacy



Original Color

40.0036, 31.7170, 93.6361

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.4855, 31.9219, 52.5408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0036, 31.7170, 93.6361 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(158, 136, 249)` looks like.

```
.text, #text, p{  
    color:rgb(158, 136, 249)  
}
```

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(158, 136, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 136, 249) }
```

Border

The CSS property to change the border of an element to XYZ 40.0036, 31.7170, 93.6361 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(158, 136, 249) }
```


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

```
.border{ border-color:rgb(158, 136, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 136, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 136, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 136, 249);  
box-shadow:4px 4px 4px 4px rgb(158, 136,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0036, 31.7170, 93.6361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 136, 249) }
```

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

```
.background{ background-color: rgb(158,  
136, 249) }
```

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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