

Converting Colors

XYZ(39.6706, 35.6569, 97.7197)

Have a look what the booklet for
XYZ(39.6706, 35.6569, 97.7197)
contains.

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Color

**XYZ(39.6018, 35.5214,
97.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	899AFD
RGB	137, 154, 253
RGB Percent	54%, 60%, 99%
CMY	0.4627, 0.3961, 0.0078
CMYK	0.46, 0.39, 0.00, 0.01
HSL	231°, 97%, 76%
HSV	231°, 46%, 99%
XYZ	39.6018, 35.5214, 97.6976
YIQ	160.2030, -41.9110, 27.1850

Conversions

Conversions Part 2

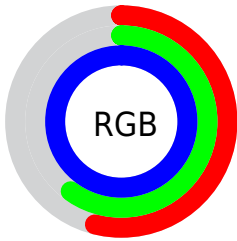
Format	Color
RYB	137, 152, 253
Decimal	9018109
CIELab	66.15, 19.34, -51.26
CIELCh	66, 54.787, 290.672
Yxy	35.5214, 0.2291, 0.2055
Android (android.graphics.Color)	4287208189 (0xFF899AFD)
YUV	160.2030, 45.7489, -20.3490
Hunter-Lab	59.5998, 14.3067, -55.4698

Details

The XYZ color **39.6018, 35.5214, 97.6976** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.0208, 82.6825, 35.6743**, and the grayscale version is **33.3179, 35.0530, 38.1727**.

A 20% lighter version of the original color is **63.1116, 63.9339, 103.6219**, and **18.0385, 15.3483, 54.2363** is the 20% darker color. If you saturate the color by 10%, you get **32.6813, 27.1311, 96.4436**, and if you desaturate by 10%, it is **48.1383, 45.6974, 99.2126**.

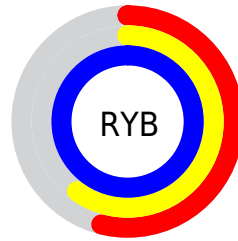
Distribution



Red (54%)

Green (60%)

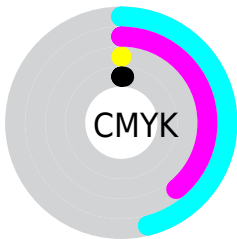
Blue (99%)



Red (54%)

Yellow (60%)

Blue (99%)

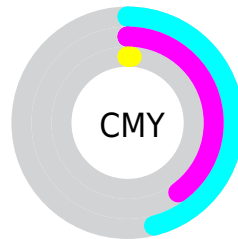


Cyan (46%)

Magenta (39%)

Yellow (0%)

Black (1%)



Cyan (46%)

Magenta (40%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6018, 35.5214, 97.6976 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 39.6018, 35.5214, 97.6976 by changing the saturation by 10% instead.

■ 39.6018, 35.5214,
97.6976

■ 39.6018, 35.5214,
97.6976

335.6056,
326.8638, 573.9689

■ 27.4110, 24.0648,
73.7730

■ 73.8450, 68.2927,
160.0137

■ 18.0203, 15.3817,
54.1126

■ 96.6281, 90.3762,
199.2423

■ 11.0644, 9.0877,
38.2979

123.6727,
116.7708, 244.4093

■ 6.1778, 4.7984,
25.9103

155.3442,
147.8609, 295.9332

■ 2.9952, 2.1295,
16.5314

192.0078,
184.0308, 354.2325

■ 1.1512, 0.6811,
9.7426

234.0291,

■ 0.0673, 0.0000,

225.6650, 419.7259

5.1252

281.7732,
273.1479, 492.8319

■ 0.0000, 0.0000,
2.2609

■ 0.0000, 0.0000,
0.7092

■ 39.6018, 35.5214,
97.6976

■ 39.6018, 35.5214,
97.6976

■ 32.6813, 27.1311,
96.4436

■ 48.1383, 45.6974,
99.2126

■ 27.2694, 20.4185,
95.4331

■ 58.3808, 57.7512,
100.9993

■ 23.2517, 15.2693,
94.6510

■ 70.4174, 71.7728,
103.0714

■ 20.4954, 11.5532,
94.0790

■ 84.3291, 87.8452,
105.4404

■ 18.8398, 9.1166,
93.6960

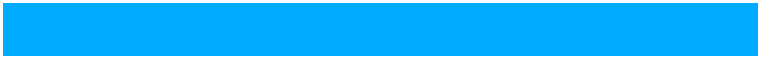
94.7298, 99.8719,
107.2136

■ 18.3936, 8.4195,
93.5849

Harmonies

Analogous

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



31.2851, 35.5214, 102.0184



39.6018, 35.5214, 97.6976



47.3927, 35.5214, 74.6628

Triad

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



39.6018, 35.5214, 97.6976



44.6994, 35.5214, 13.3116



20.5390, 35.5214, 31.8487

Complementary

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



39.6018, 35.5214, 97.6976



75.0208, 82.6825, 35.6743

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.



23.0329, 35.5214, 16.6361



39.6018, 35.5214, 97.6976



36.3664, 35.5214, 9.1427

Square

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



39.6018, 35.5214, 97.6976



50.6490, 35.5214, 24.8981



28.5266, 35.5214, 10.0489



21.1200, 35.5214, 56.7822

Rectangle

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



39.6018, 35.5214, 97.6976



50.8139, 35.5214, 55.5141



28.5266, 35.5214, 10.0489



21.0282, 35.5214, 25.6428

Sweetspot

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



39.6032, 35.5227, 97.6985



74.1524, 75.9238, 105.3543



60.5255, 81.6029, 91.6146



15.2553, 15.5363, 22.4447



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.



39.6032, 35.5227, 97.6985



33.7934, 28.2598, 98.2813



44.9456, 34.4030, 97.2008



17.2177, 17.8071, 22.7796



9.8473, 4.6042, 49.8043



1.0197, 0.5701, 4.8696

Inverse Universe

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



55.2877, 41.1089, 35.5936



51.7366, 35.2223, 27.1045



66.9089, 86.1144, 36.7643



18.1178, 18.0304, 19.2375



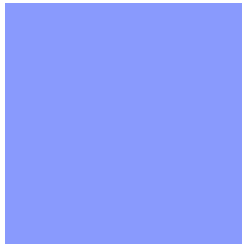
21.7587, 11.1928, 2.1137



2.1493, 1.1021, 0.3677

Previews

White Background



This preview shows how the XYZ color 39.6018, 35.5214, 97.6976 looks on a white background.

Color Contrast Check

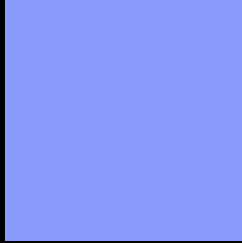
Large Text (above 18pt) WCAG AA × Fail

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 39.6018, 35.5214, 97.6976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

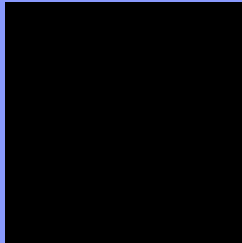
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6018, 35.5214, 97.6976

Background



This preview shows how black text looks on a background with the XYZ color 39.6018, 35.5214, 97.6976.



This preview shows how white text looks on a background with the XYZ color 39.6018, 35.5214,

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

39.6018, 35.5214, 97.6976

Protanopia

38.2753, 35.5449, 99.4513

Deuteranopia

36.6970, 35.5494, 97.0230



Tritanopia

29.9676, 35.5352, 49.5355

Trichromacy



Original Color

39.6018, 35.5214, 97.6976

Protanomaly

38.6799, 35.5219, 98.5837

Deuteranomaly

37.5433, 35.4751, 96.9641

Tritanomaly

32.9728, 35.3901, 64.7676

Monochromacy



Original Color

39.6018, 35.5214, 97.6976

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9134, 35.0242, 55.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6018, 35.5214, 97.6976 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, 154, 253)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 253)  
}
```

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, 154, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 253) }
```

Border

The CSS property to change the border of an element to XYZ 39.6018, 35.5214, 97.6976 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, 154, 253) }
```


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

```
.border{ border-color:rgb(137, 154, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 253);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6018, 35.5214, 97.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 253) }
```

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

```
.background{ background-color: rgb(137,  
154, 253) }
```

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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