

Converting Colors

XYZ(38.6518, 36.1191, 81.3462)

Have a look what the booklet for
XYZ(38.6518, 36.1191, 81.3462)
contains.

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Color

**XYZ(38.6551, 36.1432,
81.2829)**

Conversions

Conversions Part 1

Format	Color
Hex	939DE8
RGB	147, 157, 232
RGB Percent	58%, 62%, 91%
CMY	0.4235, 0.3843, 0.0902
CMYK	0.37, 0.32, 0.00, 0.09
HSL	233°, 65%, 74%
HSV	233°, 37%, 91%
XYZ	38.6551, 36.1432, 81.2829
YIQ	162.5600, -30.0350, 21.2050

Conversions

Conversions Part 2

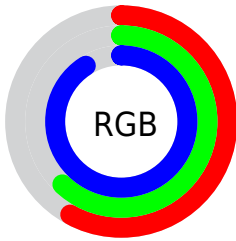
Format	Color
R _{YB}	147, 156, 232
Decimal	9674216
CIE Lab	66.63, 14.29, -38.97
CIE LCh	67, 41.503, 290.135
Yxy	36.1432, 0.2477, 0.2316
Android (android.graphics.Color)	4287864296 (0xFF939DE8)
YUV	162.5600, 34.2339, -13.6461
Hunter-Lab	60.1192, 9.5623, -38.0783

Details

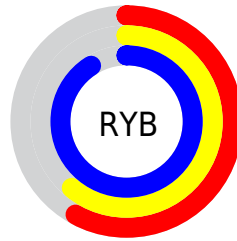
The XYZ color **38.6551, 36.1432, 81.2829** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.6675, 71.5062, 37.9991**, and the grayscale version is **34.4608, 36.2554, 39.4821**.

A 20% lighter version of the original color is **65.9729, 66.5050, 103.9674**, and **17.5047, 15.7698, 43.1956** is the 20% darker color. If you saturate the color by 10%, you get **31.7287, 27.8553, 80.0489**, and if you desaturate by 10%, it is **47.0032, 46.0268, 82.7513**.

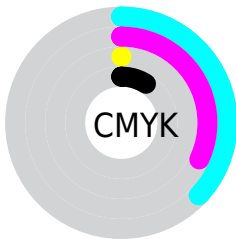
Distribution



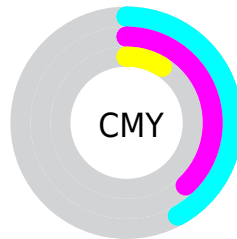
- Red (58%)
- Green (62%)
- Blue (91%)



- Red (58%)
- Yellow (61%)
- Blue (91%)



- Cyan (37%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)



- Cyan (42%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6551, 36.1432, 81.2829 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 38.6551, 36.1432, 81.2829 by changing the saturation by 10% instead.

■ 38.6551, 36.1432,
81.2829

■ 38.6551, 36.1432,
81.2829

331.6544,
329.5860, 519.0662

■ 26.6710, 24.5448,
60.2423

■ 72.4086, 69.2530,
136.9956

■ 17.4616, 15.7383,
43.1874

■ 94.9087, 91.5333,
172.5047

■ 10.6615, 9.3391,
29.6997

121.6449,
118.1429, 213.6737

■ 5.9053, 4.9630,
19.3606

152.9825,
149.4664, 260.9211

■ 2.8277, 2.2256,
11.7517

189.2869,
185.8880, 314.6656

■ 1.0633, 0.7339,
6.4544

230.9235,

■ 0.0000, 0.0000,

227.7922, 375.3255

3.0501

278.2575,
275.5634, 443.3196

■ 0.0000, 0.0000,
1.1202

■ 0.0000, 0.0000,
0.0000

■ 38.6551, 36.1432,
81.2829

■ 38.6551, 36.1432,
81.2829

■ 31.7287, 27.8553,
80.0489

■ 47.0032, 46.0268,
82.7513

■ 26.1406, 21.0750,
79.0347

■ 56.8425, 57.5797,
84.4626

■ 21.8044, 15.7121,
78.2281

■ 68.2426, 70.8759,
86.4282

■ 18.6221, 11.6645,
77.6146

■ 81.2675, 85.9836,
88.6578

■ 16.4803, 8.8167,
77.1778

■ 91.5656, 98.6062,
90.5515

■ 15.2404, 7.0309,
76.8984

■ 14.9643, 6.6236,
76.8343

Harmonies

Analogous

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



32.3364, 36.1432, 83.8948



38.6551, 36.1432, 81.2829



44.4199, 36.1432, 65.7722

Triad

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



38.6551, 36.1432, 81.2829



42.6400, 36.1432, 18.4177



23.8277, 36.1432, 33.7505

Complementary

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



38.6551, 36.1432, 81.2829



64.6675, 71.5062, 37.9991

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.



25.9351, 36.1432, 21.1686



38.6551, 36.1432, 81.2829



36.4519, 36.1432, 14.2637

Square

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



38.6551, 36.1432, 81.2829



46.9069, 36.1432, 28.6619



30.3826, 36.1432, 15.0892



24.2663, 36.1432, 52.4203

Rectangle

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



38.6551, 36.1432, 81.2829



46.9308, 36.1432, 52.2359



30.3826, 36.1432, 15.0892



24.2510, 36.1432, 28.7855

Sweetspot

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



38.6564, 36.1446, 81.2838



78.0792, 80.2755, 105.9873



53.8971, 69.1199, 78.6757



16.3007, 16.7024, 22.6147



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.



38.6564, 36.1446, 81.2838



41.2314, 36.8185, 99.5413



43.3989, 36.1799, 81.0406



13.7187, 14.1588, 18.1542



8.3543, 3.7708, 42.6707



0.6627, 0.3693, 3.1683

Inverse Universe

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



49.7994, 40.4590, 37.0842



57.0331, 43.2452, 36.7933



58.1668, 72.2151, 38.4785



14.4456, 14.3954, 15.2810



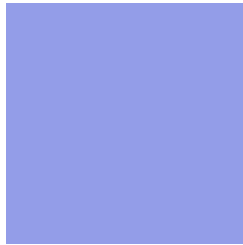
18.6104, 9.5784, 1.5773



1.3981, 0.7170, 0.2370

Previews

White Background



This preview shows how the XYZ color 38.6551, 36.1432, 81.2829 looks on a white background.

Color Contrast Check

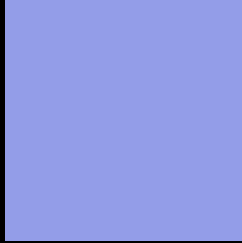
Large Text (above 18pt) WCAG AA × Fail

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 38.6551, 36.1432, 81.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

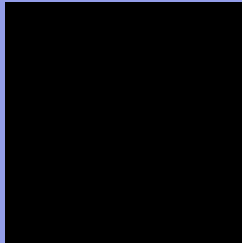
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6551, 36.1432, 81.2829

Background



This preview shows how black text looks on a background with the XYZ color 38.6551, 36.1432, 81.2829.



This preview shows how white text looks on a background with the XYZ color 38.6551, 36.1432,

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

38.6551, 36.1432, 81.2829

Protanopia

37.7307, 36.1401, 82.8290

Deuteranopia

36.9863, 36.0620, 80.6126



Tritanopia

32.1509, 36.1245, 48.9943

Trichromacy



Original Color

38.6551, 36.1432, 81.2829

Protanomaly

37.9193, 35.9996, 82.0409

Deuteranomaly

37.4694, 36.0548, 80.5857

Tritanomaly

34.1700, 35.8535, 59.7630

Monochromacy



Original Color

38.6551, 36.1432, 81.2829

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.7266, 36.2887, 52.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6551, 36.1432, 81.2829 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(147, 157, 232)` looks like.

```
.text, #text, p{  
    color:rgb(147, 157, 232)  
}
```

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(147, 157, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 157, 232) }
```

Border

The CSS property to change the border of an element to XYZ 38.6551, 36.1432, 81.2829 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(147, 157, 232) }
```


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

```
.border{ border-color:rgb(147, 157, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 157, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 157, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 157, 232);  
box-shadow:4px 4px 4px 4px rgb(147, 157,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6551, 36.1432, 81.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 157, 232) }
```

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

```
.background{ background-color: rgb(147,  
157, 232) }
```

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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