

Converting Colors

XYZ(36.5565, 31.3881, 86.5698)

Have a look what the booklet for
XYZ(36.5565, 31.3881, 86.5698)
contains.

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Color

**XYZ(36.5565, 31.3881,
86.5698)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8EF0
RGB	142, 142, 240
RGB Percent	56%, 56%, 94%
CMY	0.4431, 0.4431, 0.0588
CMYK	0.41, 0.41, 0.00, 0.06
HSL	240°, 77%, 75%
HSV	240°, 41%, 94%
XYZ	36.5565, 31.3881, 86.5698
YIQ	153.1720, -31.4580, 30.4780

Conversions

Conversions Part 2

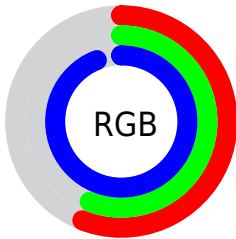
Format	Color
RYB	142, 142, 240
Decimal	9342704
CIELab	62.83, 23.82, -49.36
CIELCh	63, 54.806, 295.757
Yxy	31.3881, 0.2366, 0.2031
Android (android.graphics.Color)	4287532784 (0xFF8E8EF0)
YUV	153.1720, 42.8062, -9.7978
Hunter-Lab	56.0251, 18.4278, -52.3972

Details

The XYZ color **36.5565, 31.3881, 86.5698** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.9779, 82.7988, 37.7803**, and the grayscale version is **30.1835, 31.7554, 34.5816**.

A 20% lighter version of the original color is **61.3431, 58.8420, 102.7322**, and **16.2121, 13.0516, 46.4645** is the 20% darker color. If you saturate the color by 10%, you get **29.6788, 23.1006, 85.3333**, and if you desaturate by 10%, it is **45.0917, 41.6721, 88.1056**.

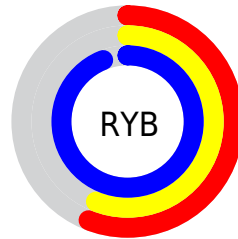
Distribution



Red (56%)

Green (56%)

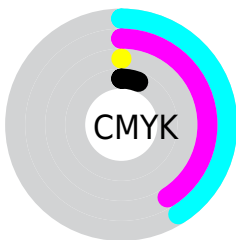
Blue (94%)



Red (56%)

Yellow (56%)

Blue (94%)

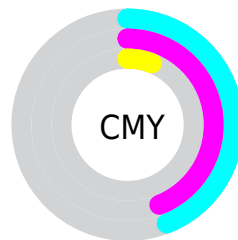


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (6%)



Cyan (44%)

Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5565, 31.3881, 86.5698 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 36.5565, 31.3881, 86.5698 by changing the saturation by 10% instead.

■ 36.5565, 31.3881,
86.5698

■ 36.5565, 31.3881,
86.5698

322.7754,
308.3223, 537.0876

■ 25.0364, 20.8946,
64.5817

■ 69.2084, 61.8506,
144.4579

■ 16.2330, 13.0469,
46.6728

■ 91.0709, 82.5883,
181.1950

■ 9.7811, 7.4609,
32.4245

■ 117.1117,
107.5096, 223.6855

■ 5.3152, 3.7520,
21.4185

147.6959,
136.9987, 272.3479

■ 2.4700, 1.5358,
13.2360

183.1890,
171.4402, 327.6008

■ 0.8802, 0.3137,
7.4586

223.9564,

■ 0.0000, 0.0000,

211.2183, 389.8627

3.6678

270.3634,
256.7176, 459.5521

■ 0.0000, 0.0000,
1.4449

■ 0.0000, 0.0000,
0.1764

■ 36.5565, 31.3881,
86.5698

■ 36.5565, 31.3881,
86.5698

■ 29.6788, 23.1006,
85.3333

■ 45.0917, 41.6721,
88.1056

■ 24.3478, 16.6771,
84.3744

■ 55.3784, 54.0670,
89.9559

■ 20.4447, 11.9742,
83.6723

■ 67.5081, 68.6825,
92.1376

■ 17.8323, 8.8264,
83.2024

■ 81.5645, 85.6197,
94.6660

■ 16.3462, 7.0359,
82.9351

■ 92.7283, 99.0713,
96.6740

■ 15.7283, 6.2913,
82.8240

Harmonies

Analogous

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



28.7782, 31.3881, 94.2063



36.5565, 31.3881, 86.5698



43.4285, 31.3881, 63.1169

Triad

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



36.5565, 31.3881, 86.5698



38.7158, 31.3881, 10.1265



17.6289, 31.3881, 31.2081

Complementary

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



36.5565, 31.3881, 86.5698



71.9779, 82.7988, 37.7803

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.



19.4206, 31.3881, 15.7922



36.5565, 31.3881, 86.5698



30.9142, 31.3881, 7.3041

Square

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



36.5565, 31.3881, 86.5698



44.8147, 31.3881, 19.1748



23.9898, 31.3881, 8.8270



18.6294, 31.3881, 55.4739

Rectangle

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



36.5565, 31.3881, 86.5698



46.1266, 31.3881, 45.3901



23.9898, 31.3881, 8.8270



17.9151, 31.3881, 24.9806

Sweetspot

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



36.5577, 31.3892, 86.5706



75.6780, 76.6579, 105.4155



58.0444, 74.3629, 93.7329



15.7887, 15.9145, 22.4896



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.



36.5577, 31.3892, 86.5706



35.2532, 27.9485, 98.1443



46.8879, 36.7147, 87.0540



14.8974, 15.2288, 19.8759



8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Inverse Universe

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



61.3369, 44.1634, 87.7290



67.2790, 44.4584, 99.6414



57.5293, 75.3503, 37.1041



16.4543, 16.0314, 19.9487



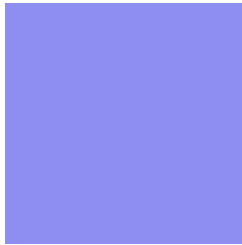
28.2810, 13.5848, 46.2578



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 36.5565, 31.3881, 86.5698 looks on a white background.

Color Contrast Check

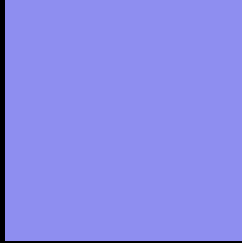
Large Text (above 18pt) WCAG AA × Fail

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 36.5565, 31.3881, 86.5698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

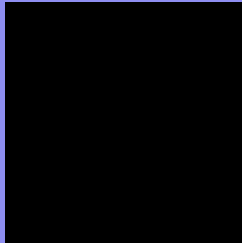
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5565, 31.3881, 86.5698

Background



This preview shows how black text looks on a background with the XYZ color 36.5565, 31.3881, 86.5698.



This preview shows how white text looks on a background with the XYZ color 36.5565, 31.3881,

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

36.5565, 31.3881, 86.5698

Protanopia

34.3214, 31.7261, 91.5036

Deuteranopia

32.6047, 31.6937, 85.2880



Tritanopia

27.7701, 31.3762, 42.6228

Trichromacy



Original Color

36.5565, 31.3881, 86.5698

Protanomaly

34.9202, 31.3745, 89.8033

Deuteranomaly

33.7776, 31.3337, 85.9291

Tritanomaly

30.4386, 31.2219, 56.0519

Monochromacy



Original Color

36.5565, 31.3881, 86.5698

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.8988, 31.3872, 50.2760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5565, 31.3881, 86.5698 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(142, 142, 240)` looks like.

```
.text, #text, p{  
    color:rgb(142, 142, 240)  
}
```

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(142, 142, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 142, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.5565, 31.3881, 86.5698 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(142, 142, 240) }
```


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

```
.border{ border-color:rgb(142, 142, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 142, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 142, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 142, 240); box-shadow:4px 4px 4px 4px rgb(142, 142, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5565, 31.3881, 86.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 142, 240) }
```

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

```
.background{ background-color: rgb(142,  
142, 240) }
```

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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