

Converting Colors

XYZ(36.4221, 30.4025, 82.0012)

Have a look what the booklet for
XYZ(36.4221, 30.4025, 82.0012)
contains.

| | |
|--|----|
| XYZ(36.3746, 30.3159, 81.7763) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(36.3746, 30.3159,
81.7763)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9689EA |
| RGB | 150, 137, 234 |
| RGB Percent | 59%, 54%, 92% |
| CMY | 0.4118, 0.4627, 0.0824 |
| CMYK | 0.36, 0.41, 0.00, 0.08 |
| HSL | 248°, 70%, 73% |
| HSV | 248°, 41%, 92% |
| XYZ | 36.3746, 30.3159, 81.7763 |
| YIQ | 151.9450, -23.3890, 32.9230 |

Conversions

Conversions Part 2

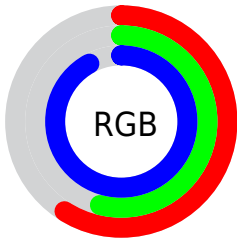
| Format | Color |
|-------------------------------------|--|
| RYB | 150, 137, 234 |
| Decimal | 9865706 |
| CIELab | 61.93, 27.13, -47.44 |
| CIELCh | 62, 54.650, 299.760 |
| Yxy | 30.3159, 0.2450, 0.2042 |
| Android (android.graphics.Color) | 4288055786 (0xFF9689EA) |
| YUV | 151.9450, 40.4531, -1.7058 |
| Hunter-Lab | 55.0599, 21.5689, -49.5171 |

Details

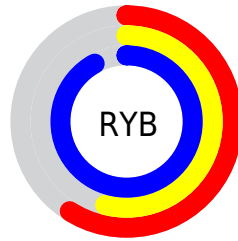
The XYZ color **36.3746, 30.3159, 81.7763** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.7574, 76.0245, 34.9818**, and the grayscale version is **29.6606, 31.2053, 33.9826**.

A 20% lighter version of the original color is **62.1956, 57.3123, 102.3921**, and **16.1634, 12.4636, 43.6733** is the 20% darker color. If you saturate the color by 10%, you get **29.9900, 22.6110, 80.6262**, and if you desaturate by 10%, it is **44.1275, 39.7979, 83.1985**.

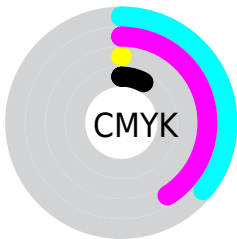
Distribution



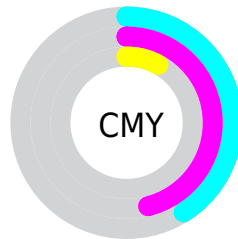
- Red (59%)
- Green (54%)
- Blue (92%)



- Red (59%)
- Yellow (54%)
- Blue (92%)



- Cyan (36%)
- Magenta (41%)
- Yellow (0%)
- Black (8%)



- Cyan (41%)
- Magenta (46%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3746, 30.3159, 81.7763 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 36.3746, 30.3159, 81.7763 by changing the saturation by 10% instead.

■ 36.3746, 30.3159,
81.7763

■ 36.3746, 30.3159,
81.7763

321.9977,
303.3742, 520.7629

■ 24.8951, 20.0785,
60.6464

■ 68.9300, 60.1614,
137.6941

■ 16.1272, 12.4521,
43.5112

■ 90.7365, 80.5383,
173.3191

■ 9.7056, 7.0524,
29.9520

■ 116.7161,
105.0638, 214.6130

■ 5.2650, 3.4949,
19.5504

147.2342,
134.1223, 261.9941

■ 2.4399, 1.3952,
11.8879

182.6560,
168.0981, 315.8811

■ 0.8651, 0.2132,
6.5458

223.3470,

■ 0.0000, 0.0000,

207.3758, 376.6926

3.1056

269.6724,
252.3397, 444.8470

■ 0.0000, 0.0000,
1.1488

■ 0.0000, 0.0000,
0.0000

■ 36.3746, 30.3159,
81.7763

■ 36.3746, 30.3159,
81.7763

■ 29.9900, 22.6110,
80.6262

■ 44.1275, 39.7979,
83.1985

■ 24.8901, 16.5686,
79.7287

■ 53.3190, 51.1554,
84.9062

■ 20.9870, 12.0658,
79.0653

■ 64.0186, 64.4832,
86.9148

■ 18.1806, 8.9610,
78.6139

■ 76.2902, 79.8691,
89.2378

■ 16.3531, 7.0861,
78.3483

■ 90.1940, 97.3953,
91.8879

■ 15.4275, 6.2375,
78.2333

■ 91.8514, 98.7206,
92.0564

Harmonies

Analogous

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



28.7556, 30.3159, 91.8931



36.3746, 30.3159, 81.7763



42.7530, 30.3159, 57.7335

Triad

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



36.3746, 30.3159, 81.7763



36.4937, 30.3159, 9.0063



16.9142, 30.3159, 32.8408

Complementary

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



36.3746, 30.3159, 81.7763



63.7574, 76.0245, 34.9818

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.



18.2916, 30.3159, 16.5951



36.3746, 30.3159, 81.7763



28.8732, 30.3159, 6.8919

Square

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



36.3746, 30.3159, 81.7763



42.8295, 30.3159, 16.7802



22.3817, 30.3159, 8.9357



18.2482, 30.3159, 57.3111

Rectangle

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



36.3746, 30.3159, 81.7763



44.9891, 30.3159, 40.6993



22.3817, 30.3159, 8.9357



17.0716, 30.3159, 26.3539

Sweetspot

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



36.3758, 30.3170, 81.7770



76.9675, 77.3227, 105.4759



51.0427, 63.0078, 87.3140



16.0892, 16.0694, 22.5037



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.



36.3758, 30.3170, 81.7770



37.3088, 28.5107, 98.1445



47.2009, 35.8976, 82.2836



14.4189, 14.6457, 18.9892



8.7287, 3.5357, 43.9654



0.7452, 0.3084, 3.4551

Inverse Universe

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



55.9291, 40.6051, 73.2965



64.3137, 42.7360, 85.6797



51.0769, 69.4874, 34.3883



15.6229, 15.2770, 18.5655



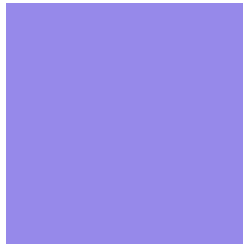
25.1351, 12.2567, 32.8426



1.9978, 0.9721, 2.7058

Previews

White Background



This preview shows how the XYZ color 36.3746, 30.3159, 81.7763 looks on a white background.

Color Contrast Check

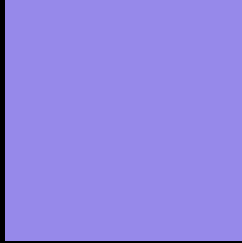
Large Text (above 18pt) WCAG AA × Fail

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 36.3746, 30.3159, 81.7763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

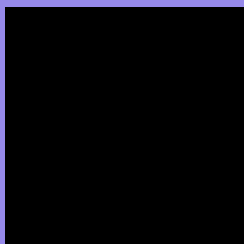
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3746, 30.3159, 81.7763

Background



This preview shows how black text looks on a background with the XYZ color 36.3746, 30.3159, 81.7763.



This preview shows how white text looks on a background with the XYZ color 36.3746, 30.3159,

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

36.3746, 30.3159, 81.7763

Protanopia

32.9880, 30.4133, 88.1361

Deuteranopia

31.2347, 30.3902, 79.8210



Tritanopia

27.7606, 30.2051, 39.4890

Trichromacy



Original Color

36.3746, 30.3159, 81.7763

Protanomaly

34.0066, 30.3125, 85.7199

Deuteranomaly

32.8593, 30.2879, 80.4582

Tritanomaly

30.4342, 30.1170, 52.3532

Monochromacy



Original Color

36.3746, 30.3159, 81.7763

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.6397, 30.8241, 48.5380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3746, 30.3159, 81.7763 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(150, 137, 234)` looks like.

```
.text, #text, p{  
    color:rgb(150, 137, 234)  
}
```

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(150, 137, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 137, 234) }
```

Border

The CSS property to change the border of an element to XYZ 36.3746, 30.3159, 81.7763 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(150, 137, 234) }
```


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

```
.border{ border-color:rgb(150, 137, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 137, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 137, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 137, 234);  
box-shadow:4px 4px 4px 4px rgb(150, 137,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3746, 30.3159, 81.7763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 137, 234) }
```

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

```
.background{ background-color: rgb(150,  
137, 234) }
```

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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