

Converting Colors

XYZ(37.8683, 36.2766, 63.4641)

Have a look what the booklet for
XYZ(37.8683, 36.2766, 63.4641)
contains.

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Color

**XYZ(37.8646, 36.3835,
63.4196)**

Conversions

Conversions Part 1

Format	Color
Hex	A09ECE
RGB	160, 158, 206
RGB Percent	63%, 62%, 81%
CMY	0.3725, 0.3804, 0.1922
CMYK	0.22, 0.23, 0.00, 0.19
HSL	242°, 33%, 71%
HSV	242°, 23%, 81%
XYZ	37.8646, 36.3835, 63.4196
YIQ	164.0700, -14.2160, 15.3520

Conversions

Conversions Part 2

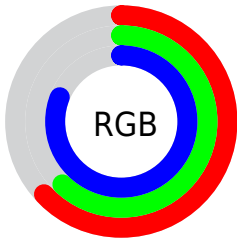
Format	Color
R_{YB}	160, 158, 206
Decimal	10526414
CIE _{Lab}	66.81, 10.96, -24.25
CIE _{LCh}	67, 26.608, 294.317
Yxy	36.3835, 0.2750, 0.2643
Android (android.graphics.Color)	4288716494 (0xFFA09ECE)
YUV	164.0700, 20.6715, -3.5694
Hunter-Lab	60.3187, 6.4941, -20.1149

Details

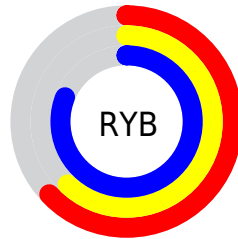
The XYZ color **37.8646, 36.3835, 63.4196** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.1459, 59.4495, 41.0231**, and the grayscale version is **35.2304, 37.0651, 40.3639**.

A 20% lighter version of the original color is **69.8686, 69.2556, 104.2929**, and **17.1095, 15.9705, 31.8866** is the 20% darker color. If you saturate the color by 10%, you get **31.0029, 28.0605, 62.1754**, and if you desaturate by 10%, it is **45.9444, 46.2104, 64.8911**.

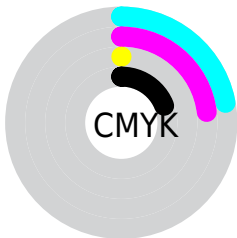
Distribution



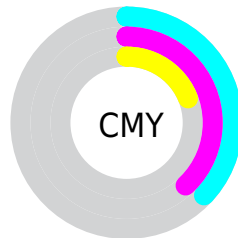
- Red (63%)
- Green (62%)
- Blue (81%)



- Red (63%)
- Yellow (62%)
- Blue (81%)



- Cyan (22%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (37%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8646, 36.3835, 63.4196 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 37.8646, 36.3835, 63.4196 by changing the saturation by 10% instead.

■ 37.8646, 36.3835,
63.4196

■ 37.8646, 36.3835,
63.4196

328.3297,
330.6337, 455.2405

■ 26.0544, 24.7305,
45.7376

■ 71.2058, 69.6236,
111.3661

■ 16.9972, 15.8764,
31.6916

■ 93.4675, 91.9795,
142.4676

■ 10.3278, 9.4367,
20.8632

119.9436,
118.6718, 178.8793

■ 5.6808, 5.0271,
12.8338

150.9997,
150.0849, 221.0198

■ 2.6908, 2.2632,
7.1848

187.0010,
186.6033, 269.3077

■ 0.9924, 0.7541,
3.4977

228.3128,

■ 0.0000, 0.0000,

228.6113, 324.1614

1.3541

275.3006,
276.4933, 385.9995

■ 0.0000, 0.0000,
0.1055

■ 0.0000, 0.0000,
0.0000

■ 37.8646, 36.3835,
63.4196

■ 37.8646, 36.3835,
63.4196

■ 31.0029, 28.0605,
62.1754

■ 45.9444, 46.2104,
64.8911

■ 25.2968, 21.1632,
61.1448

■ 55.2935, 57.6057,
66.5979

■ 20.6838, 15.6129,
60.3166

■ 65.9648, 70.6353,
68.5504

■ 17.0940, 11.3214,
59.6775

■ 78.0067, 85.3602,
70.7579

■ 14.4494, 8.1903,
59.2125

■ 88.1407, 97.2363,
72.5161

■ 12.6608, 6.1063,
58.9045

■ 11.6217, 4.9335,
58.7329

■ 11.2481, 4.5116,
58.6712

Harmonies

Analogous

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



33.8213, 36.3835, 65.9936



37.8646, 36.3835, 63.4196



41.2508, 36.3835, 53.9893

Triad

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



37.8646, 36.3835, 63.4196



39.2912, 36.3835, 24.2116



27.4428, 36.3835, 37.4625

Complementary

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



37.8646, 36.3835, 63.4196



53.1459, 59.4495, 41.0231

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.



28.6727, 36.3835, 28.0501



37.8646, 36.3835, 63.4196



35.3529, 36.3835, 21.4110

Square

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



37.8646, 36.3835, 63.4196



42.1182, 36.3835, 31.1774



31.4937, 36.3835, 22.6662



28.0021, 36.3835, 49.4532

Rectangle

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



37.8646, 36.3835, 63.4196



42.5739, 36.3835, 45.9090



31.4937, 36.3835, 22.6662



27.6576, 36.3835, 33.9251

Sweetspot

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



37.8658, 36.3850, 63.4204



83.6017, 86.0340, 106.8077



46.9303, 55.1024, 66.5555



17.6936, 18.1703, 22.8246



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.



37.8658, 36.3850, 63.4204



55.4968, 51.8461, 101.6900



43.0401, 39.0524, 63.6626



10.6442, 10.8659, 14.1067



6.9464, 2.7885, 36.1284



0.3738, 0.1518, 1.8645

Inverse Universe

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



48.5807, 41.9366, 62.6623



75.8724, 62.4050, 100.1642



47.1596, 56.3635, 40.7430



11.6666, 11.3954, 14.0448



21.9183, 10.5779, 33.6182



1.1371, 0.5483, 1.7681

Previews

White Background



This preview shows how the XYZ color 37.8646, 36.3835, 63.4196 looks on a white background.

Color Contrast Check

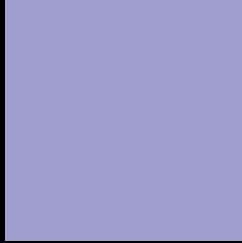
Large Text (above 18pt) WCAG AA × Fail

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 37.8646, 36.3835, 63.4196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

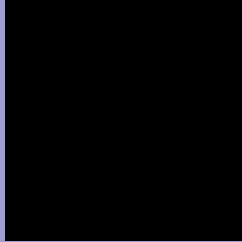
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8646, 36.3835, 63.4196

Background



This preview shows how black text looks on a background with the XYZ color 37.8646, 36.3835, 63.4196.



This preview shows how white text looks on a background with the XYZ color 37.8646, 36.3835,

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

37.8646, 36.3835, 63.4196

Protanopia

36.7077, 36.5278, 64.7904

Deuteranopia

37.2490, 36.3204, 63.4398



Tritanopia

34.2601, 36.1990, 46.2557

Trichromacy



Original Color

37.8646, 36.3835, 63.4196

Protanomaly

37.1597, 36.5166, 64.1214

Deuteranomaly

37.4433, 36.4206, 63.4489

Tritanomaly

35.4248, 36.1455, 52.1234

Monochromacy



Original Color

37.8646, 36.3835, 63.4196

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1613, 36.8819, 47.8608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8646, 36.3835, 63.4196 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(160, 158, 206)` looks like.

```
.text, #text, p{  
    color:rgb(160, 158, 206)  
}
```

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(160, 158, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 158, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.8646, 36.3835, 63.4196 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(160, 158, 206) }
```


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

```
.border{ border-color:rgb(160, 158, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 158, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 158, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 158, 206);  
box-shadow:4px 4px 4px 4px rgb(160, 158,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8646, 36.3835, 63.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 158, 206) }
```

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

```
.background{ background-color: rgb(160,  
158, 206) }
```

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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