

Converting Colors

XYZ(36.9863, 36.0620, 80.6126)

Have a look what the booklet for
XYZ(36.9863, 36.0620, 80.6126)
contains.

XYZ(36.9863, 36.0620, 80.6126)	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(36.9863, 36.0620,
80.6126)**

Conversions

Conversions Part 1

Format	Color
Hex	87A0E7
RGB	135, 160, 231
RGB Percent	53%, 63%, 91%
CMY	0.4706, 0.3725, 0.0941
CMYK	0.42, 0.31, 0.00, 0.09
HSL	224°, 67%, 72%
HSV	224°, 42%, 91%
XYZ	36.9863, 36.0620, 80.6126
YIQ	160.6190, -37.6910, 16.7810

Conversions

Conversions Part 2

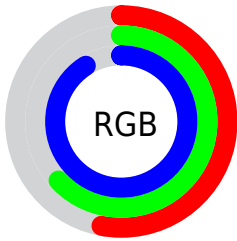
Format	Color
RYB	135, 155, 231
Decimal	8888551
CIELab	66.57, 9.14, -38.57
CIELCh	67, 39.642, 283.336
Yxy	36.0620, 0.2407, 0.2347
Android (android.graphics.Color)	4287078631 (0xFF87A0E7)
YUV	160.6190, 34.6978, -22.4679
Hunter-Lab	60.0516, 4.8492, -37.5540

Details

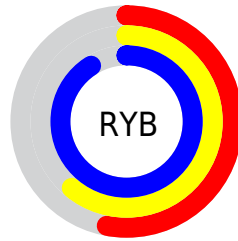
The XYZ color **36.9863, 36.0620, 80.6126** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.4008, 62.8825, 31.9301**, and the grayscale version is **33.5576, 35.3052, 38.4473**.

A 20% lighter version of the original color is **63.8363, 66.8972, 104.1557**, and **16.5148, 15.7379, 42.7247** is the 20% darker color. If you saturate the color by 10%, you get **30.9040, 28.8283, 79.5376**, and if you desaturate by 10%, it is **44.2844, 44.5280, 81.8627**.

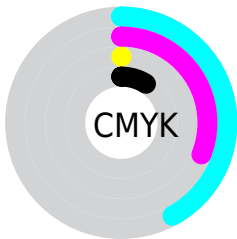
Distribution



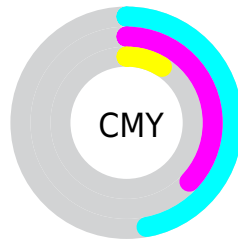
- Red (53%)
- Green (63%)
- Blue (91%)



- Red (53%)
- Yellow (61%)
- Blue (91%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9863, 36.0620, 80.6126 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 36.9863, 36.0620, 80.6126 by changing the saturation by 10% instead.

■ 36.9863, 36.0620,
80.6126

■ 36.9863, 36.0620,
80.6126

324.6078,
329.2315, 516.7561

■ 25.3705, 24.4821,
59.6935

■ 69.8657, 69.1277,
136.0458

■ 16.4835, 15.6916,
42.7479

■ 91.8600, 91.3824,
171.3970

■ 9.9600, 9.3062,
29.3574

■ 118.0445,
117.9640, 212.3960

■ 5.4345, 4.9414,
19.1035

148.7846,
149.2571, 259.4612

■ 2.5417, 2.2129,
11.5675

184.4456,
185.6460, 313.0113

■ 0.9163, 0.7270,
6.3310

225.3929,

■ 0.0000, 0.0000,

227.5151, 373.4648

2.9753

271.9918,
275.2488, 441.2402

■ 0.0000, 0.0000,
1.0821

■ 0.0000, 0.0000,
0.0000

■ 36.9863, 36.0620,
80.6126

■ 36.9863, 36.0620,
80.6126

■ 30.9040, 28.8283,
79.5376

■ 44.2844, 44.5280,
81.8627

■ 25.9645, 22.7628,
78.6272

■ 52.8581, 54.2782,
83.2928

■ 22.0927, 17.8013,
77.8736

■ 62.7675, 65.3662,
84.9107

■ 19.2018, 13.8708,
77.2673

■ 74.0677, 77.8412,
86.7231

■ 17.1901, 10.8884,
76.7977

■ 86.8109, 91.7498,
88.7361

■ 16.0479, 9.0175,
76.4967

■ 91.4239, 98.5496,
89.8054

Harmonies

Analogous

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



31.0953, 36.0620, 79.8190



36.9863, 36.0620, 80.6126



42.7524, 36.0620, 68.2822

Triad

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



36.9863, 36.0620, 80.6126



43.2996, 36.0620, 20.7818



24.4324, 36.0620, 30.5904

Complementary

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



36.9863, 36.0620, 80.6126



59.4008, 62.8825, 31.9301

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.



27.0010, 36.0620, 19.9130



36.9863, 36.0620, 80.6126



37.6662, 36.0620, 15.4784

Square

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



36.9863, 36.0620, 80.6126



46.6721, 36.0620, 32.1745



31.7012, 36.0620, 15.2149



24.2954, 36.0620, 47.3283

Rectangle

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



36.9863, 36.0620, 80.6126



45.5641, 36.0620, 55.9016



31.7012, 36.0620, 15.2149



25.0253, 36.0620, 26.3081

Sweetspot

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



36.9876, 36.0633, 80.6135



77.8750, 81.0522, 106.1479



49.6366, 66.7308, 68.2765



16.3014, 16.9400, 22.6605



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.



36.9876, 36.0633, 80.6135



39.5699, 37.1561, 99.6940



37.0721, 30.3075, 79.4980



13.8865, 14.4943, 18.2101



9.0821, 5.2264, 42.9133



0.7451, 0.5341, 3.1958

Inverse Universe

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



47.9653, 36.8564, 37.8448



55.3009, 39.1309, 38.2189



59.1316, 72.3990, 33.7812



14.5303, 14.4293, 15.7268



18.9778, 9.7253, 3.5119



1.4397, 0.7336, 0.4560

Previews

White Background



This preview shows how the XYZ color 36.9863, 36.0620, 80.6126 looks on a white background.

Color Contrast Check

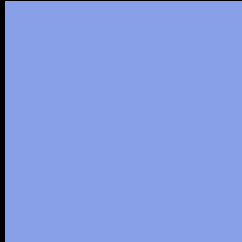
Large Text (above 18pt) WCAG AA × Fail

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 36.9863, 36.0620, 80.6126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

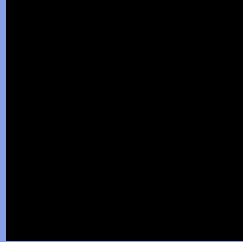
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9863, 36.0620, 80.6126

Background



This preview shows how black text looks on a background with the XYZ color 36.9863, 36.0620, 80.6126.

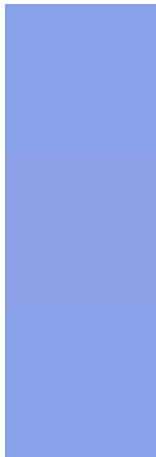


This preview shows how white text looks on a background with the XYZ color 36.9863, 36.0620,

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

36.9863, 36.0620, 80.6126

Protanopia

37.3285, 35.9984, 79.8439

Deuteranopia

36.9863, 36.0620, 80.6126



Tritanopia

30.7612, 35.9324, 50.1141

Trichromacy



Original Color

36.9863, 36.0620, 80.6126

Protanomaly

37.1623, 35.9127, 79.8361

Deuteranomaly

36.9863, 36.0620, 80.6126

Tritanomaly

32.8139, 35.9546, 59.8540

Monochromacy



Original Color

36.9863, 36.0620, 80.6126

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.5567, 35.7103, 51.5258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9863, 36.0620, 80.6126 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(135, 160, 231)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 231)  
}
```

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(135, 160, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 231) }
```

Border

The CSS property to change the border of an element to XYZ 36.9863, 36.0620, 80.6126 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(135, 160, 231) }
```


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

```
.border{ border-color:rgb(135, 160, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 160, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 160, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 160, 231); box-shadow:4px 4px 4px 4px rgb(135, 160, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9863, 36.0620, 80.6126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 231) }
```

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

```
.background{ background-color: rgb(135,  
160, 231) }
```

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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