

Converting Colors

XYZ(36.5061, 36.0401, 82.1231)

Have a look what the booklet for
XYZ(36.5061, 36.0401, 82.1231)
contains.

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Color

**XYZ(36.5061, 36.0401,
82.1231)**

Conversions

Conversions Part 1

Format	Color
Hex	81A1E9
RGB	129, 161, 233
RGB Percent	51%, 63%, 91%
CMY	0.4941, 0.3686, 0.0863
CMYK	0.45, 0.31, 0.00, 0.09
HSL	222°, 70%, 71%
HSV	222°, 45%, 91%
XYZ	36.5061, 36.0401, 82.1231
YIQ	159.6400, -42.1840, 15.6080

Conversions

Conversions Part 2

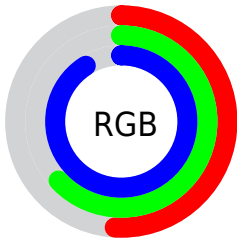
Format	Color
RYB	129, 153, 233
Decimal	8495593
CIELab	66.55, 7.63, -39.72
CIElCh	67, 40.451, 280.872
Yxy	36.0401, 0.2360, 0.2330
Android (android.graphics.Color)	4286685673 (0xFF81A1E9)
YUV	159.6400, 36.1665, -26.8713
Hunter-Lab	60.0334, 3.4867, -39.0828

Details

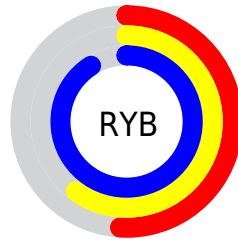
The XYZ color **36.5061, 36.0401, 82.1231** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.4545, 60.6833, 29.4026**, and the grayscale version is **33.1021, 34.8260, 37.9255**.

A 20% lighter version of the original color is **62.8556, 66.7708, 104.1830**, and **16.2594, 15.7427, 43.7766** is the 20% darker color. If you saturate the color by 10%, you get **30.7227, 29.1410, 81.0969**, and if you desaturate by 10%, it is **43.4626, 44.0852, 83.3100**.

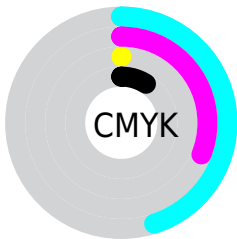
Distribution



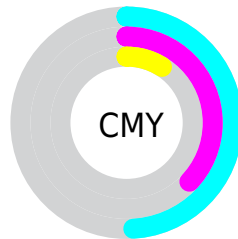
- Red (51%)
- Green (63%)
- Blue (91%)



- Red (51%)
- Yellow (60%)
- Blue (91%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5061, 36.0401, 82.1231 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 36.5061, 36.0401, 82.1231 by changing the saturation by 10% instead.

■ 36.5061, 36.0401,
82.1231

■ 36.5061, 36.0401,
82.1231

322.5600,
329.1358, 521.9536

■ 24.9972, 24.4652,
60.9306

■ 69.1313, 69.0940,
138.1848

■ 16.2037, 15.6790,
43.7390

■ 90.9783, 91.3417,
173.8912

■ 9.7602, 9.2973,
30.1297

■ 117.0021,
117.9158, 215.2725

■ 5.3013, 4.9356,
19.6841

147.5680,
149.2006, 262.7475

■ 2.4617, 2.2095,
11.9839

183.0414,
185.5807, 316.7345

■ 0.8760, 0.7252,
6.6103

223.7877,

■ 0.0000, 0.0000,

227.4403, 377.6522

3.1449

270.1721,
275.1639, 445.9190

■ 0.0000, 0.0000,
1.1691

■ 0.0000, 0.0000,
0.0000

■ 36.5061, 36.0401,
82.1231

■ 36.5061, 36.0401,
82.1231

■ 30.7227, 29.1410,
81.0969

■ 43.4626, 44.0852,
83.3100

■ 26.0392, 23.3276,
80.2217

■ 51.6518, 53.3244,
84.6617

■ 22.3796, 18.5396,
79.4904

■ 61.1337, 63.8076,
86.1854

■ 19.6555, 14.7082,
78.8944

■ 71.9629, 75.5808,
87.8871

■ 17.7611, 11.7535,
78.4240

■ 84.1910, 88.6872,
89.7724

■ 17.0056, 10.4782,
78.2176

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



30.5677, 36.0401, 80.1001



36.5061, 36.0401, 82.1231



42.4826, 36.0401, 70.3685

Triad

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



36.5061, 36.0401, 82.1231



43.8703, 36.0401, 21.1669



24.3605, 36.0401, 29.2672

Complementary

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



36.5061, 36.0401, 82.1231



58.4545, 60.6833, 29.4026

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.



27.1649, 36.0401, 18.9891



36.5061, 36.0401, 82.1231



38.2276, 36.0401, 15.3590

Square

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



36.5061, 36.0401, 82.1231



47.0565, 36.0401, 33.2632



32.0985, 36.0401, 14.7015



24.0153, 36.0401, 45.8965

Rectangle

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



36.5061, 36.0401, 82.1231



45.5072, 36.0401, 57.8848



32.0985, 36.0401, 14.7015



25.0298, 36.0401, 25.1045

Sweetspot

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



36.5074, 36.0414, 82.1240



76.9989, 80.4672, 106.0812



48.6264, 67.1191, 65.0781



15.8861, 16.5719, 22.6114



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.



36.5074, 36.0414, 82.1240



37.9399, 36.0495, 99.5664



34.7844, 27.8874, 80.6409



14.6092, 15.3049, 19.1064



9.7456, 6.1383, 44.4141



0.8478, 0.6470, 3.5151

Inverse Universe

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



47.8887, 35.5988, 38.0667



53.9525, 36.5791, 37.3227



60.8144, 74.1497, 31.8775



15.2563, 15.1304, 16.6350



19.7744, 10.1125, 4.6136



1.5944, 0.8107, 0.5815

Previews

White Background



This preview shows how the XYZ color 36.5061, 36.0401, 82.1231 looks on a white background.

Color Contrast Check

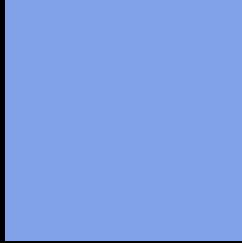
Large Text (above 18pt) WCAG AA × Fail

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 36.5061, 36.0401, 82.1231 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 36.5061, 36.0401, 82.1231

Background



This preview shows how black text looks on a background with the XYZ color 36.5061, 36.0401, 82.1231.



This preview shows how white text looks on a background with the XYZ color 36.5061, 36.0401,

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

36.5061, 36.0401, 82.1231

Protanopia

37.3032, 35.9691, 80.5779

Deuteranopia

36.9517, 36.0113, 82.0941



Tritanopia

30.0967, 35.8550, 50.6818

Trichromacy



Original Color

36.5061, 36.0401, 82.1231

Protanomaly

37.1280, 36.1187, 81.3587

Deuteranomaly

36.7945, 35.9303, 82.0868

Tritanomaly

32.2251, 35.8948, 61.1071

Monochromacy



Original Color

36.5061, 36.0401, 82.1231

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.9349, 35.1190, 52.0038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5061, 36.0401, 82.1231 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(129, 161, 233)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 233)  
}
```

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(129, 161, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 233) }
```

Border

The CSS property to change the border of an element to XYZ 36.5061, 36.0401, 82.1231 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(129, 161, 233) }
```


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

```
.border{ border-color:rgb(129, 161, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 161, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 233);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5061, 36.0401, 82.1231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 233) }
```

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

```
.background{ background-color: rgb(129,  
161, 233) }
```

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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