

Converting Colors

XYZ(36.7314, 38.4014, 87.4472)

Have a look what the booklet for
XYZ(36.7314, 38.4014, 87.4472)
contains.

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Color

**XYZ(36.7648, 38.4922,
87.1534)**

Conversions

Conversions Part 1

Format	Color
Hex	71AAEF
RGB	113, 170, 239
RGB Percent	44%, 67%, 94%
CMY	0.5568, 0.3333, 0.0627
CMYK	0.53, 0.29, 0.00, 0.06
HSL	213°, 80%, 69%
HSV	213°, 53%, 94%
XYZ	36.7648, 38.4922, 87.1534
YIQ	160.8230, -56.1210, 9.3750

Conversions

Conversions Part 2

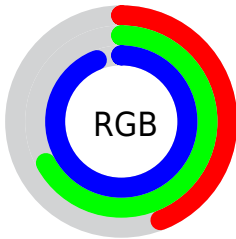
Format	Color
RYB	113, 152, 239
Decimal	7449327
CIELab	68.38, 0.59, -40.21
CIELCh	68, 40.215, 270.844
Yxy	38.4922, 0.2264, 0.2370
Android (android.graphics.Color)	4285639407 (0xFF71AAEF)
YUV	160.8230, 38.5413, -41.9408
Hunter-Lab	62.0421, -2.7984, -39.8580

Details

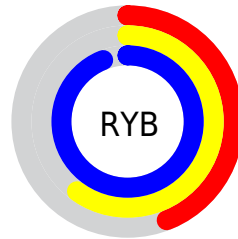
The XYZ color **36.7648, 38.4922, 87.1534** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.3068, 53.0010, 22.9398**, and the grayscale version is **33.6410, 35.3930, 38.5429**.

A 20% lighter version of the original color is **61.7698, 69.7284, 104.8110**, and **16.3909, 17.0796, 47.2325** is the 20% darker color. If you saturate the color by 10%, you get **31.7526, 32.4461, 86.2513**, and if you desaturate by 10%, it is **42.8335, 45.4470, 88.1767**.

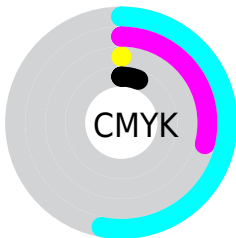
Distribution



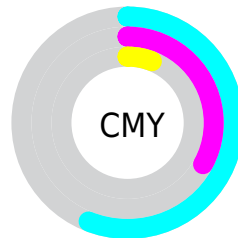
- Red (44%)
- Green (67%)
- Blue (94%)



- Red (44%)
- Yellow (60%)
- Blue (94%)



- Cyan (53%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (56%)
- Magenta (33%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7648, 38.4922, 87.1534 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 36.7648, 38.4922, 87.1534 by changing the saturation by 10% instead.

■ 36.7648, 38.4922,
87.1534

■ 36.7648, 38.4922,
87.1534

323.6644,
339.7267, 539.0561

■ 25.1983, 26.3649,
65.0618

■ 69.5271, 72.8619,
145.2787

■ 16.3544, 17.0968,
47.0595

■ 91.4535, 95.8732,
182.1495

■ 9.8677, 10.3036,
32.7280

■ 117.5640,
123.2812, 224.7837

■ 5.3729, 5.6007,
21.6488

148.2239,
155.4704, 273.6000

■ 2.5047, 2.6038,
13.4032

183.7985,
192.8251, 329.0168

■ 0.8976, 0.9286,
7.5728

224.6532,

■ 0.0000, 0.0000,

235.7298, 391.4528

3.7390

271.1534,
284.5689, 461.3263

■ 0.0000, 0.0000,
1.4833

■ 0.0000, 0.0000,
0.2054

■ 36.7648, 38.4922,
87.1534

■ 36.7648, 38.4922,
87.1534

■ 31.7526, 32.4461,
86.2513

■ 42.8335, 45.4470,
88.1767

■ 27.7207, 27.2567,
85.4622

■ 50.0195, 53.3498,
89.3234

■ 24.5879, 22.8719,
84.7809

■ 58.3832, 62.2423,
90.5990

■ 22.2558, 19.2294,
84.2008

■ 67.9794, 72.1619,
92.0079

■ 20.9551, 16.9819,
83.8355

■ 78.8593, 83.1443,
93.5542

■ 90.5516, 94.9550,
95.2177

■ 92.5801, 99.0121,
95.8939

Harmonies

Analogous

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



30.9861, 38.4922, 80.1801



36.7648, 38.4922, 87.1534



43.1671, 38.4922, 79.3934

Triad

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



36.7648, 38.4922, 87.1534



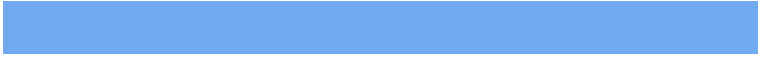
48.0253, 38.4922, 26.4981



26.9780, 38.4922, 27.1569

Complementary

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



36.7648, 38.4922, 87.1534



55.3068, 53.0010, 22.9398

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.



30.7097, 38.4922, 18.5931



36.7648, 38.4922, 87.1534



42.8222, 38.4922, 18.2967

Square

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



36.7648, 38.4922, 87.1534



50.1110, 38.4922, 41.4014



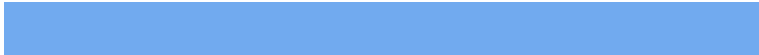
36.4071, 38.4922, 15.8798



25.7434, 38.4922, 42.4257

Rectangle

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



36.7648, 38.4922, 87.1534



46.8260, 38.4922, 67.9105



36.4071, 38.4922, 15.8798



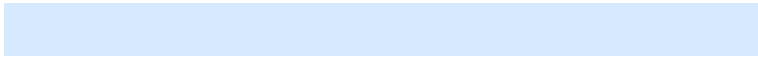
27.9591, 38.4922, 23.5733

Sweetspot

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



36.7662, 38.4936, 87.1543



74.8818, 79.6299, 106.0312



45.9366, 68.5483, 54.0987



15.5323, 16.5326, 22.6224



0.0000, 0.0000, 0.0000



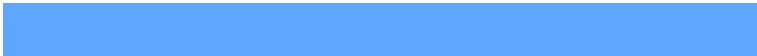
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7662, 38.4936, 87.1543



36.5251, 37.2643, 99.8754



28.8498, 21.8399, 84.3571



15.4862, 16.4064, 20.0722



11.7073, 9.6389, 46.3713



1.0720, 0.9980, 3.8904

Inverse Universe

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



48.7587, 33.0649, 41.8438



52.2511, 32.1187, 40.0162



68.0431, 80.5543, 27.5869



16.0701, 15.8777, 17.9253



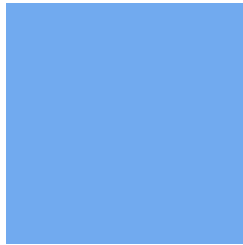
21.2349, 10.7664, 9.1537



1.8161, 0.9155, 1.0222

Previews

White Background



This preview shows how the XYZ color 36.7648, 38.4922, 87.1534 looks on a white background.

Color Contrast Check

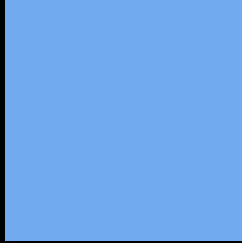
Large Text (above 18pt) WCAG AA × Fail

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 36.7648, 38.4922, 87.1534 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

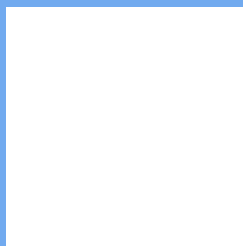
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7648, 38.4922, 87.1534

Background



This preview shows how black text looks on a background with the XYZ color 36.7648, 38.4922, 87.1534.



This preview shows how white text looks on a background with the XYZ color 36.7648, 38.4922,

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

36.7648, 38.4922, 87.1534

Protanopia

39.6283, 38.4207, 83.1692

Deuteranopia

39.3367, 38.4358, 87.7837



Tritanopia

30.6755, 38.6318, 56.2920

Trichromacy



Original Color

36.7648, 38.4922, 87.1534

Protanomaly

38.4494, 38.3151, 84.7259

Deuteranomaly

38.4490, 38.5179, 87.8463

Tritanomaly

32.7517, 38.5874, 66.6947

Monochromacy



Original Color

36.7648, 38.4922, 87.1534

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9624, 36.1543, 53.3326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7648, 38.4922, 87.1534 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(113, 170, 239)` looks like.

```
.text, #text, p{  
    color:rgb(113, 170, 239)  
}
```

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(113, 170, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 170, 239) }
```

Border

The CSS property to change the border of an element to XYZ 36.7648, 38.4922, 87.1534 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(113, 170, 239) }
```


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

```
.border{ border-color:rgb(113, 170, 239) }
```

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

Here you see how a box with a 4 pixel rgb(113, 170, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 170, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 170, 239);  
box-shadow:4px 4px 4px 4px rgb(113, 170,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7648, 38.4922, 87.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 170, 239) }
```

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

```
.background{ background-color: rgb(113,  
170, 239) }
```

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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