

Converting Colors

XYZ(38.6044, 40.0876, 87.0027)

Have a look what the booklet for
XYZ(38.6044, 40.0876, 87.0027)
contains.

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Color

**XYZ(38.6447, 40.0221,
87.3496)**

Conversions

Conversions Part 1

Format	Color
Hex	7CACEF
RGB	124, 172, 239
RGB Percent	49%, 67%, 94%
CMY	0.5137, 0.3255, 0.0627
CMYK	0.48, 0.28, 0.00, 0.06
HSL	215°, 78%, 71%
HSV	215°, 48%, 94%
XYZ	38.6447, 40.0221, 87.3496
YIQ	165.2860, -50.1150, 10.6610

Conversions

Conversions Part 2

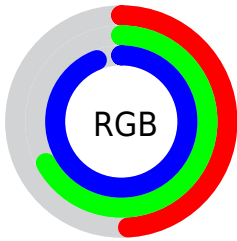
Format	Color
RYB	124, 158, 239
Decimal	8170735
CIELab	69.49, 1.94, -38.45
CIElCh	69, 38.497, 272.893
Yxy	40.0221, 0.2328, 0.2411
Android (android.graphics.Color)	4286360815 (0xFF7CACEF)
YUV	165.2860, 36.3410, -36.2078
Hunter-Lab	63.2630, -1.6722, -37.5798

Details

The XYZ color **38.6447, 40.0221, 87.3496** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.8670, 57.0696, 27.0362**, and the grayscale version is **35.7509, 37.6127, 40.9602**.

A 20% lighter version of the original color is **64.5751, 71.9819, 105.0982**, and **17.5105, 18.0101, 47.3531** is the 20% darker color. If you saturate the color by 10%, you get **33.0875, 33.4277, 86.3704**, and if you desaturate by 10%, it is **45.3194, 47.6063, 88.4625**.

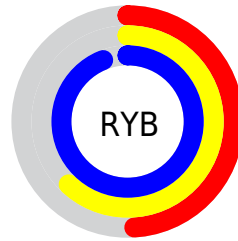
Distribution



Red (49%)

Green (67%)

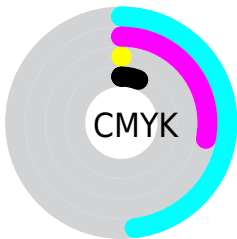
Blue (94%)



Red (49%)

Yellow (62%)

Blue (94%)

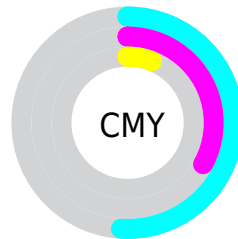


Cyan (48%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (51%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6447, 40.0221, 87.3496 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 38.6447, 40.0221, 87.3496 by changing the saturation by 10% instead.

■ 38.6447, 40.0221,
87.3496

■ 38.6447, 40.0221,
87.3496

331.6108,
346.2167, 539.7170

■ 26.6629, 27.5558,
65.2233

■ 72.3928, 75.1972,
145.5545

■ 17.4555, 17.9911,
47.1897

■ 94.8898, 98.6747,
182.4701

■ 10.6571, 10.9436,
32.8302

■ 121.6226,
126.5914, 225.1526

■ 5.9023, 6.0289,
21.7263

152.9565,
159.3317, 274.0206

■ 2.8259, 2.8627,
13.4596

189.2569,
197.2800, 329.4924

■ 1.0624, 1.0605,
7.6113

230.8892,

■ 0.0000, 0.0000,

240.8207, 391.9867

3.7631

278.2187,
290.3381, 461.9221

■ 0.0000, 0.0000,
1.4963

■ 0.0000, 0.0000,
0.2152

■ 38.6447, 40.0221,
87.3496

■ 38.6447, 40.0221,
87.3496

■ 33.0875, 33.4277,
86.3704

■ 45.3194, 47.6063,
88.4625

■ 28.5735, 27.7700,
85.5163

■ 53.1707, 56.2207,
89.7114

■ 25.0252, 22.9964,
84.7819

■ 62.2586, 65.9084,
91.1023

■ 22.3507, 19.0457,
84.1603

■ 72.6374, 76.7087,
92.6400

■ 20.4253, 15.8386,
83.6427

■ 84.3580, 88.6585,
94.3288

■ 20.1138, 15.2994,
83.5551

■ 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.



32.8616, 40.0221, 81.5875



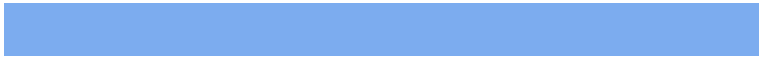
38.6447, 40.0221, 87.3496



44.8891, 40.0221, 78.9976

Triad

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



38.6447, 40.0221, 87.3496



48.9553, 40.0221, 27.5395



28.3830, 40.0221, 29.7966

Complementary

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



38.6447, 40.0221, 87.3496



57.8670, 57.0696, 27.0362

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.



31.9253, 40.0221, 20.7337



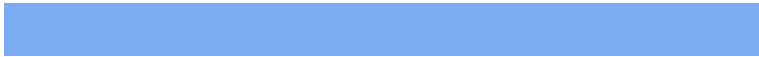
38.6447, 40.0221, 87.3496



43.7353, 40.0221, 19.7011

Square

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



38.6447, 40.0221, 87.3496



51.2332, 40.0221, 41.8766



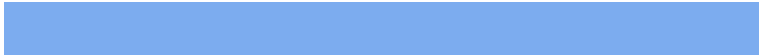
37.4413, 40.0221, 17.5970



27.3314, 40.0221, 45.3233

Rectangle

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



38.6447, 40.0221, 87.3496



48.3627, 40.0221, 67.5948



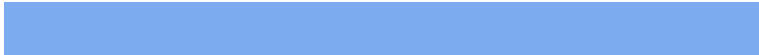
37.4413, 40.0221, 17.5970



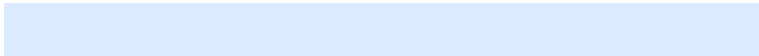
29.3015, 40.0221, 26.0523

Sweetspot

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



38.6461, 40.0236, 87.3506



76.8337, 81.2865, 106.2480



48.3835, 69.7006, 59.1442



15.9026, 16.8311, 22.6605



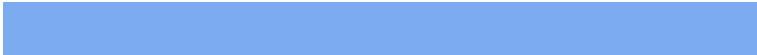
0.0000, 0.0000, 0.0000



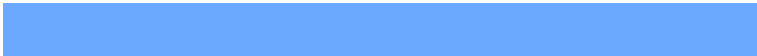
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6461, 40.0236, 87.3506



38.2820, 38.6650, 100.0532



32.2529, 25.5278, 84.8896



15.4393, 16.3128, 20.0565



11.2380, 8.7003, 46.2149



1.0310, 0.9159, 3.8767

Inverse Universe

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



50.2519, 35.7462, 43.2821



53.6537, 34.6545, 41.3140



67.5683, 80.2336, 30.9960



16.0464, 15.8683, 17.8008



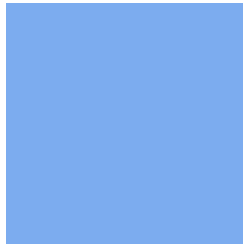
20.9980, 10.6716, 7.9062



1.7953, 0.9072, 0.9131

Previews

White Background



This preview shows how the XYZ color 38.6447, 40.0221, 87.3496 looks on a white background.

Color Contrast Check

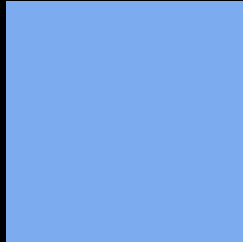
Large Text (above 18pt) WCAG AA × Fail

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 38.6447, 40.0221, 87.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

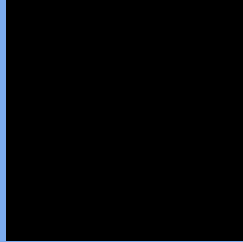
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

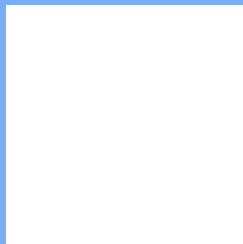
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6447, 40.0221, 87.3496

Background



This preview shows how black text looks on a background with the XYZ color 38.6447, 40.0221, 87.3496.



This preview shows how white text looks on a background with the XYZ color 38.6447, 40.0221,

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

38.6447, 40.0221, 87.3496

Protanopia

41.0269, 39.9315, 84.1425

Deuteranopia

40.8746, 39.7683, 87.9598



Tritanopia

32.6020, 39.8976, 57.6125

Trichromacy



Original Color

38.6447, 40.0221, 87.3496

Protanomaly

39.9758, 39.9210, 84.9555

Deuteranomaly

40.0695, 39.9014, 88.0279

Tritanomaly

34.5502, 39.7923, 67.4877

Monochromacy



Original Color

38.6447, 40.0221, 87.3496

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0947, 38.2951, 55.3585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6447, 40.0221, 87.3496 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(124, 172, 239)` looks like.

```
.text, #text, p{  
    color:rgb(124, 172, 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(124, 172, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 172, 239) }
```

Border

The CSS property to change the border of an element to XYZ 38.6447, 40.0221, 87.3496 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(124, 172, 239) }
```


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

```
.border{ border-color:rgb(124, 172, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 172, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 172, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 172, 239);  
box-shadow:4px 4px 4px 4px rgb(124, 172,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6447, 40.0221, 87.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 172, 239) }
```

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

```
.background{ background-color: rgb(124,  
172, 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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