

Converting Colors

XYZ(37.1673, 38.4159, 84.4533)

Have a look what the booklet for
XYZ(37.1673, 38.4159, 84.4533)
contains.

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Color

**XYZ(37.2134, 38.4970,
84.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	79A9EC
RGB	121, 169, 236
RGB Percent	47%, 66%, 93%
CMY	0.5255, 0.3372, 0.0745
CMYK	0.49, 0.28, 0.00, 0.07
HSL	215°, 75%, 70%
HSV	215°, 49%, 93%
XYZ	37.2134, 38.4970, 84.8262
YIQ	162.2860, -50.1150, 10.6610

Conversions

Conversions Part 2

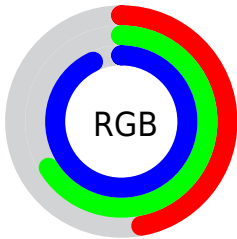
Format	Color
R _Y B	121, 155, 236
Decimal	7973356
CIE Lab	68.39, 2.05, -38.54
CIE LCh	68, 38.592, 273.050
Yxy	38.4970, 0.2318, 0.2398
Android (android.graphics.Color)	4286163436 (0xFF79A9EC)
YUV	162.2860, 36.3410, -36.2078
Hunter-Lab	62.0460, -1.5212, -37.6262

Details

The XYZ color **37.2134, 38.4970, 84.8262** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.0278, 55.1814, 25.7888**, and the grayscale version is **34.3296, 36.1174, 39.3319**.

A 20% lighter version of the original color is **63.0658, 69.9963, 104.7945**, and **16.5861, 17.0420, 45.5953** is the 20% darker color. If you saturate the color by 10%, you get **31.8770, 32.1468, 83.8825**, and if you desaturate by 10%, it is **43.6305, 45.8050, 85.8993**.

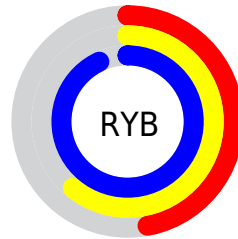
Distribution



Red (47%)

Green (66%)

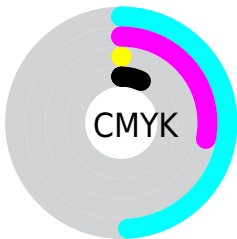
Blue (93%)



Red (47%)

Yellow (61%)

Blue (93%)

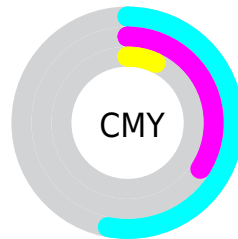


Cyan (49%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (34%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2134, 38.4970, 84.8262 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 37.2134, 38.4970, 84.8262 by changing the saturation by 10% instead.

■ 37.2134, 38.4970,
84.8262

■ 37.2134, 38.4970,
84.8262

325.5730,
339.7472, 531.1824

■ 25.5472, 26.3687,
63.1485

■ 70.2126, 72.8693,
142.0023

■ 16.6161, 17.0996,
45.5196

■ 92.2763, 95.8820,
178.3378

■ 10.0548, 10.3056,
31.5209

■ 118.5365,
123.2916, 220.3963

■ 5.4978, 5.6020,
20.7341

149.3586,
155.4825, 268.5963

■ 2.5799, 2.6046,
12.7404

185.1079,
192.8392, 323.3563

■ 0.9357, 0.9290,
7.1214

226.1499,

■ 0.0000, 0.0000,

235.7459, 385.0950

3.4585

272.8498,
284.5871, 454.2309

■ 0.0000, 0.0000,
1.3333

■ 0.0000, 0.0000,
0.0888

■ 37.2134, 38.4970,
84.8262

■ 37.2134, 38.4970,
84.8262

■ 31.8770, 32.1468,
83.8825

■ 43.6305, 45.8050,
85.8993

■ 27.5487, 26.7028,
83.0598

■ 51.1860, 54.1103,
87.1042

■ 24.1530, 22.1136,
82.3530

■ 59.9382, 63.4549,
88.4466

■ 21.5998, 18.3193,
81.7552

■ 69.9400, 73.8769,
89.9311

■ 19.7596, 15.2387,
81.2575

■ 81.2411, 85.4122,
91.5620

■ 19.5554, 14.8861,
81.2002

■ 91.0344, 96.6240,
93.2099

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



31.5615, 38.4970, 79.2339



37.2134, 38.4970, 84.8262



43.3166, 38.4970, 76.5517

Triad

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



37.2134, 38.4970, 84.8262



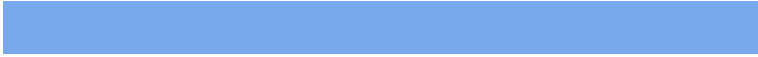
47.2464, 38.4970, 26.2304



27.1593, 38.4970, 28.5440

Complementary

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



37.2134, 38.4970, 84.8262



56.0278, 55.1814, 25.7888

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.



30.5989, 38.4970, 19.7137



37.2134, 38.4970, 84.8262



42.1266, 38.4970, 18.6599

Square

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



37.2134, 38.4970, 84.8262



49.4962, 38.4970, 40.1670



35.9741, 38.4970, 16.6521



26.1487, 38.4970, 43.7165

Rectangle

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



37.2134, 38.4970, 84.8262



46.7093, 38.4970, 65.3342



35.9741, 38.4970, 16.6521



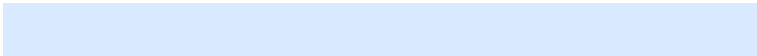
28.0496, 38.4970, 24.8932

Sweetspot

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



37.2148, 38.4984, 84.8271



75.6493, 80.0500, 106.0718



46.7625, 67.6091, 57.1340



15.6683, 16.5852, 22.6254



0.0000, 0.0000, 0.0000



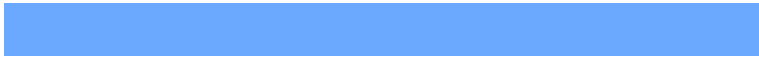
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2148, 38.4984, 84.8271



38.2821, 38.6652, 100.0532



30.9818, 24.3735, 82.4293



14.7478, 15.5820, 19.1526



10.9004, 8.4478, 44.7990



0.9490, 0.8495, 3.5488

Inverse Universe

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



48.5920, 34.3736, 41.6111



53.6537, 34.6545, 41.3143



65.5484, 77.9208, 29.6762



15.3262, 15.1583, 17.0033



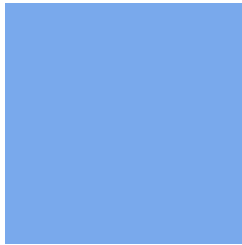
20.3573, 10.3456, 7.6829



1.6455, 0.8312, 0.8506

Previews

White Background



This preview shows how the XYZ color 37.2134, 38.4970, 84.8262 looks on a white background.

Color Contrast Check

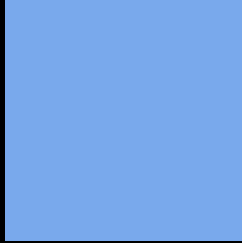
Large Text (above 18pt) WCAG AA × Fail

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 37.2134, 38.4970, 84.8262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

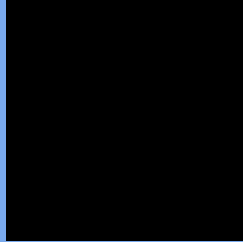
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

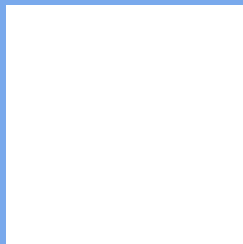
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2134, 38.4970, 84.8262

Background



This preview shows how black text looks on a background with the XYZ color 37.2134, 38.4970, 84.8262.



This preview shows how white text looks on a background with the XYZ color 37.2134, 38.4970,

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

37.2134, 38.4970, 84.8262

Protanopia

39.5180, 38.3969, 81.6724

Deuteranopia

39.3887, 38.5137, 85.4786



Tritanopia

31.3000, 38.3759, 55.6268

Trichromacy



Original Color

37.2134, 38.4970, 84.8262

Protanomaly

38.4975, 38.3899, 82.4717

Deuteranomaly

38.4380, 38.2924, 85.4860

Tritanomaly

33.2033, 38.2709, 65.3115

Monochromacy



Original Color

37.2134, 38.4970, 84.8262

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.6731, 36.7874, 53.4173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2134, 38.4970, 84.8262 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(121, 169, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 169, 236)  
}
```

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(121, 169, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 169, 236) }
```

Border

The CSS property to change the border of an element to XYZ 37.2134, 38.4970, 84.8262 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(121, 169, 236) }
```


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

```
.border{ border-color:rgb(121, 169, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 169, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 169, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 169, 236); box-shadow:4px 4px 4px 4px rgb(121, 169, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2134, 38.4970, 84.8262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 169, 236) }
```

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

```
.background{ background-color: rgb(121,  
169, 236) }
```

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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