

Converting Colors

XYZ(34.8743, 41.7729, 67.1984)

Have a look what the booklet for
XYZ(34.8743, 41.7729, 67.1984)
contains.

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Color

**XYZ(34.8730, 41.7713,
67.1974)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB7D2
RGB	109, 183, 210
RGB Percent	43%, 72%, 82%
CMY	0.5725, 0.2823, 0.1765
CMYK	0.48, 0.13, 0.00, 0.18
HSL	196°, 53%, 63%
HSV	196°, 48%, 82%
XYZ	34.8730, 41.7713, 67.1974
YIQ	163.9520, -52.7710, -7.2910

Conversions

Conversions Part 2

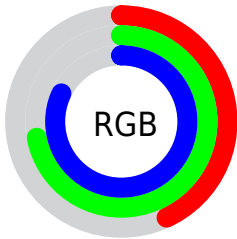
Format	Color
R _{YB}	109, 152, 210
Decimal	7190482
CIE _{Lab}	70.71, -15.81, -20.77
CIE _{LCh}	71, 26.108, 232.719
Yxy	41.7713, 0.2424, 0.2904
Android (android.graphics.Color)	4285380562 (0xFF6DB7D2)
YUV	163.9520, 22.7017, -48.1929
Hunter-Lab	64.6307, -16.7900, -16.4031

Details

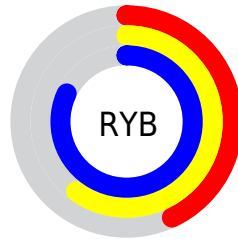
The XYZ color **34.8730, 41.7713, 67.1974** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.1438, 32.4151, 18.7156**, and the grayscale version is **35.1784, 37.0104, 40.3043**.

A 20% lighter version of the original color is **64.6424, 77.0600, 106.0748**, and **15.2144, 19.0099, 33.8777** is the 20% darker color. If you saturate the color by 10%, you get **31.4571, 38.3264, 66.7133**, and if you desaturate by 10%, it is **38.9549, 45.6299, 67.7278**.

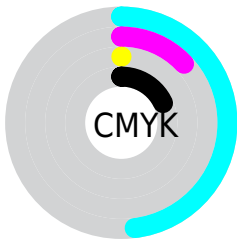
Distribution



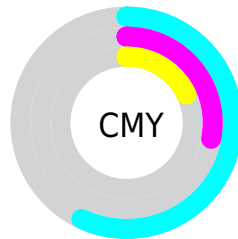
- Red (43%)
- Green (72%)
- Blue (82%)



- Red (43%)
- Yellow (60%)
- Blue (82%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8730, 41.7713, 67.1974 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 34.8730, 41.7713, 67.1974 by changing the saturation by 10% instead.

■ 34.8730, 41.7713,
67.1974

■ 34.8730, 41.7713,
67.1974

315.5253,
353.5340, 469.1677

■ 23.7311, 28.9223,
48.7825

■ 66.6243, 77.8534,
116.8466

■ 15.2579, 19.0220,
34.0826

■ 87.9644, 101.8552,
148.9178

■ 9.0881, 11.6862,
22.6792

■ 113.4347,
130.3434, 186.3783

■ 4.8563, 6.5304,
14.1537

143.4004,
163.7024, 229.6466

■ 2.1971, 3.1702,
8.0877

178.2270,
202.3166, 279.1411

■ 0.7412, 1.2212,
4.0625

218.2797,

■ 0.0000, 0.0789,

246.5703, 335.2804

1.6597

263.9240,
296.8480, 398.4831

■ 0.0000, 0.0000,
0.3329

■ 0.0000, 0.0000,
0.0000

■ 34.8730, 41.7713,
67.1974

■ 34.8730, 41.7713,
67.1974

■ 31.4571, 38.3264,
66.7133

■ 38.9549, 45.6299,
67.7278

■ 28.6579, 35.2663,
66.2701

■ 43.7395, 49.9192,
68.3035

■ 26.4256, 32.5655,
65.8665

■ 49.2655, 54.6608,
68.9275

■ 24.7000, 30.1920,
65.4993

■ 55.5676, 59.8733,
69.6015

■ 23.3936, 28.0999,
65.1643

■ 62.6781, 65.5742,
70.3271

■ 23.1662, 27.7196,
65.1029

■ 70.6274, 71.7798,
71.1059

■ 79.0737, 78.3147,
71.9221

■ 80.5923, 81.3519,
72.4283

■ 82.1611, 84.4894,
72.9512

Harmonies

Analogous

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



32.5118, 41.7713, 55.3191



34.8730, 41.7713, 67.1974



38.6573, 41.7713, 73.4481

Triad

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



34.8730, 41.7713, 67.1974



48.5403, 41.7713, 48.5690



36.5750, 41.7713, 26.8532

Complementary

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



34.8730, 41.7713, 67.1974



38.1438, 32.4151, 18.7156

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.



40.7661, 41.7713, 25.7041



34.8730, 41.7713, 67.1974



47.8819, 41.7713, 36.8860

Square

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



34.8730, 41.7713, 67.1974



46.6971, 41.7713, 61.4954



44.9582, 41.7713, 29.0351



33.4435, 41.7713, 32.5217

Rectangle

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



34.8730, 41.7713, 67.1974



41.5625, 41.7713, 72.9091



44.9582, 41.7713, 29.0351



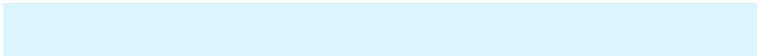
37.8986, 41.7713, 25.9734

Sweetspot

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



34.8743, 41.7729, 67.1984



80.1445, 87.9082, 107.3516



33.7936, 51.1210, 31.3553



16.7100, 18.4458, 22.9296



0.0000, 0.0000, 0.0000



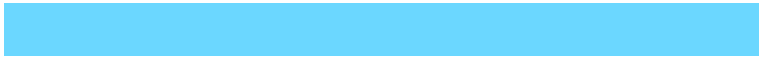
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8743, 41.7729, 67.1984



48.5441, 59.1894, 103.4739



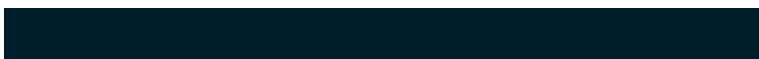
26.2691, 24.5624, 64.3300



11.8799, 12.8501, 15.0978



14.2174, 17.0814, 39.7402



0.8583, 1.0819, 2.2431

Inverse Universe

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



40.5953, 28.0591, 48.0777



58.8336, 36.7264, 68.5909



46.9900, 50.1075, 21.6644



12.1703, 11.9529, 14.1725



19.8070, 9.7956, 19.6877



1.1395, 0.5605, 1.2693

Previews

White Background



This preview shows how the XYZ color 34.8730, 41.7713, 67.1974 looks on a white background.

Color Contrast Check

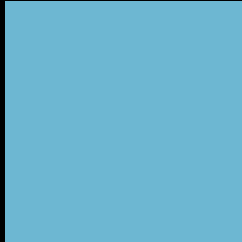
Large Text (above 18pt) WCAG AA × Fail

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 34.8730, 41.7713, 67.1974 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

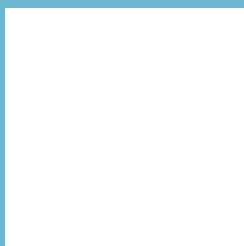
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8730, 41.7713, 67.1974

Background



This preview shows how black text looks on a background with the XYZ color 34.8730, 41.7713, 67.1974.



This preview shows how white text looks on a background with the XYZ color 34.8730, 41.7713,

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

34.8730, 41.7713, 67.1974

Protanopia

40.9495, 41.4971, 61.7286

Deuteranopia

42.3467, 41.5049, 68.7301



Tritanopia

33.7181, 41.9322, 60.9602

Trichromacy



Original Color

34.8730, 41.7713, 67.1974

Protanomaly

38.0265, 41.0875, 63.6841

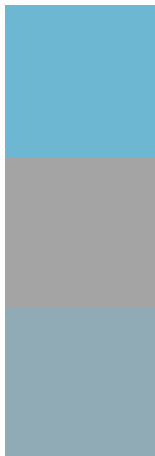
Deuteranomaly

39.0523, 41.2286, 68.1870

Tritanomaly

34.1030, 41.7664, 63.3910

Monochromacy



Original Color

34.8730, 41.7713, 67.1974

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.4050, 38.3913, 49.3130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8730, 41.7713, 67.1974 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(109, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 183, 210)  
}
```

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(109, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 183, 210) }
```

Border

The CSS property to change the border of an element to XYZ 34.8730, 41.7713, 67.1974 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(109, 183, 210) }
```


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

```
.border{ border-color:rgb(109, 183, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 183, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 183, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 183, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 183,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8730, 41.7713, 67.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 183, 210) }
```

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

```
.background{ background-color: rgb(109,  
183, 210) }
```

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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