

Converting Colors

XYZ(34.1148, 42.1875, 64.5012)

Have a look what the booklet for
XYZ(34.1148, 42.1875, 64.5012)
contains.

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Color

**XYZ(34.0831, 42.0377,
64.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	67B9CE
RGB	103, 185, 206
RGB Percent	40%, 73%, 81%
CMY	0.5961, 0.2745, 0.1922
CMYK	0.50, 0.10, 0.00, 0.19
HSL	192°, 51%, 61%
HSV	192°, 50%, 81%
XYZ	34.0831, 42.0377, 64.7102
YIQ	162.8760, -55.6130, -10.8530

Conversions

Conversions Part 2

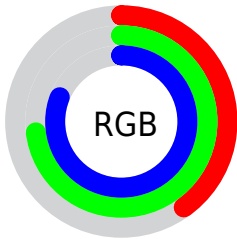
Format	Color
RYB	103, 149, 206
Decimal	6797774
CIELab	70.90, -19.33, -18.33
CIElCh	71, 26.639, 223.477
Yxy	42.0377, 0.2420, 0.2985
Android (android.graphics.Color)	4284987854 (0xFF67B9CE)
YUV	162.8760, 21.2601, -52.5113
Hunter-Lab	64.8365, -19.6304, -13.7890

Details

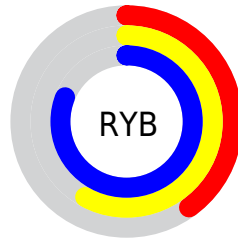
The XYZ color **34.0831, 42.0377, 64.7102** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1105, 28.5176, 16.4873**, and the grayscale version is **34.6772, 36.4831, 39.7301**.

A 20% lighter version of the original color is **64.0025, 77.6042, 106.2136**, and **14.8736, 19.2618, 32.6397** is the 20% darker color. If you saturate the color by 10%, you get **31.1396, 39.2360, 64.3253**, and if you desaturate by 10%, it is **37.6372, 45.1945, 65.1330**.

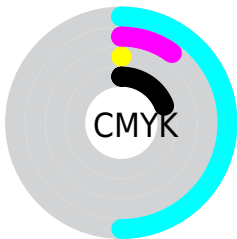
Distribution



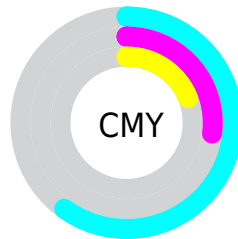
- Red (40%)
- Green (73%)
- Blue (81%)



- Red (40%)
- Yellow (58%)
- Blue (81%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (60%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0831, 42.0377, 64.7102 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 34.0831, 42.0377, 64.7102 by changing the saturation by 10% instead.

■ 34.0831, 42.0377,
64.7102

■ 34.0831, 42.0377,
64.7102

312.0818,
354.6392, 460.0275

■ 23.1206, 29.1308,
46.7763

■ 65.4063, 78.2567,
113.2424

■ 14.8038, 19.1798,
32.5057

■ 86.4978, 102.3376,
144.6777

■ 8.7672, 11.8003,
21.4801

■ 111.6963,
130.9119, 181.4507

■ 4.6455, 6.6078,
13.2807

■ 141.3672,
164.3641, 223.9797

■ 2.0734, 3.2181,
7.4891

175.8758,
203.0785, 272.6833

■ 0.6747, 1.2466,
3.6868

215.5876,

■ 0.0000, 0.0993,

247.4396, 327.9801

1.4551

260.8678,
297.8317, 390.2887

■ 0.0000, 0.0000,
0.1842

■ 0.0000, 0.0000,
0.0000

■ 34.0831, 42.0377,
64.7102

■ 34.0831, 42.0377,
64.7102

■ 31.1396, 39.2360,
64.3253

■ 37.6372, 45.1945,
65.1330

■ 28.7590, 36.7619,
63.9732

■ 41.8374, 48.7223,
65.5925

■ 26.8928, 34.5907,
63.6525

■ 46.7207, 52.6414,
66.0916

■ 25.4819, 32.6919,
63.3604

■ 52.3205, 56.9695,
66.6319

■ 24.4169, 31.0085,
63.0916

■ 58.6678, 61.7226,
67.2148

■ 24.4166, 31.0082,
63.0915

■ 65.7916, 66.9162,
67.8418

■ 73.7196, 72.5647,
68.5142

■ 77.6084, 76.1717,
69.0054

■ 78.7154, 78.3856,
69.3744

Harmonies

Analogous

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



32.2254, 42.0377, 51.7011



34.0831, 42.0377, 64.7102



37.5797, 42.0377, 73.3957

Triad

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



34.0831, 42.0377, 64.7102



48.6986, 42.0377, 53.0727



38.0015, 42.0377, 25.8977

Complementary

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



34.0831, 42.0377, 64.7102



35.1105, 28.5176, 16.4873

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.



42.4295, 42.0377, 26.1281



34.0831, 42.0377, 64.7102



48.8325, 42.0377, 40.3143

Square

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



34.0831, 42.0377, 64.7102



46.1131, 42.0377, 65.8731



46.4666, 42.0377, 30.9441



34.3721, 42.0377, 30.2425

Rectangle

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



34.0831, 42.0377, 64.7102



40.4748, 42.0377, 74.7233



46.4666, 42.0377, 30.9441



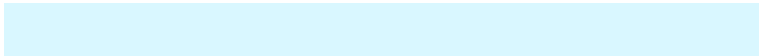
39.4408, 42.0377, 25.4709

Sweetspot

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



34.0844, 42.0393, 64.7112



79.9135, 88.5784, 107.4932



31.2788, 48.4723, 26.6454



16.6972, 18.6430, 22.9684



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.



34.0844, 42.0393, 64.7112



50.1333, 63.2525, 104.1744



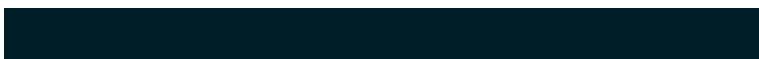
25.2467, 24.3639, 61.7653



11.3415, 12.3234, 14.3513



15.1055, 19.2351, 38.8729



0.8297, 1.0931, 2.0222

Inverse Universe

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



39.0620, 26.3264, 48.9233



59.4198, 36.1341, 74.2267



43.2523, 44.8012, 19.2012



11.5857, 11.3630, 13.6191



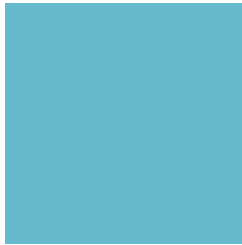
19.8355, 9.7448, 22.6501



1.0487, 0.5129, 1.3025

Previews

White Background



This preview shows how the XYZ color 34.0831, 42.0377, 64.7102 looks on a white background.

Color Contrast Check

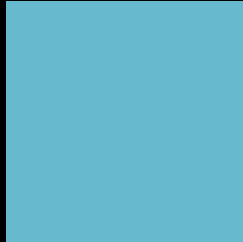
Large Text (above 18pt) WCAG AA × Fail

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 34.0831, 42.0377, 64.7102 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 34.0831, 42.0377, 64.7102

Background



This preview shows how black text looks on a background with the XYZ color 34.0831, 42.0377, 64.7102.



This preview shows how white text looks on a background with the XYZ color 34.0831, 42.0377,

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

34.0831, 42.0377, 64.7102

Protanopia

40.7894, 41.4819, 58.6803

Deuteranopia

42.4912, 41.6373, 66.1189



Tritanopia

33.4683, 42.1016, 61.6208

Trichromacy



Original Color

34.0831, 42.0377, 64.7102

Protanomaly

37.4523, 41.1501, 60.6124

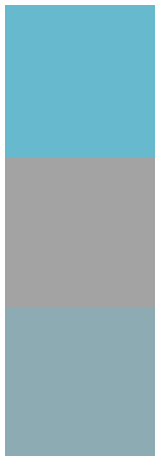
Deuteranomaly

38.5692, 41.3250, 65.6182

Tritanomaly

33.8179, 42.2544, 62.8734

Monochromacy



Original Color

34.0831, 42.0377, 64.7102

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6841, 38.0432, 48.2156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0831, 42.0377, 64.7102 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(103, 185, 206)` looks like.

```
.text, #text, p{  
    color:rgb(103, 185, 206)  
}
```

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(103, 185, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 185, 206) }
```

Border

The CSS property to change the border of an element to XYZ 34.0831, 42.0377, 64.7102 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(103, 185, 206) }
```


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

```
.border{ border-color:rgb(103, 185, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 185, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 185, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 185, 206);  
box-shadow:4px 4px 4px 4px rgb(103, 185,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0831, 42.0377, 64.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 185, 206) }
```

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

```
.background{ background-color: rgb(103,  
185, 206) }
```

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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