

Converting Colors

XYZ(31.7876, 42.3753, 65.0031)

Have a look what the booklet for
XYZ(31.7876, 42.3753, 65.0031)
contains.

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Color

**XYZ(31.8008, 42.4414,
64.9084)**

Conversions

Conversions Part 1

Format	Color
Hex	42BECE
RGB	66, 190, 206
RGB Percent	26%, 75%, 81%
CMY	0.7411, 0.2549, 0.1922
CMYK	0.68, 0.08, 0.00, 0.19
HSL	187°, 59%, 53%
HSV	187°, 68%, 81%
XYZ	31.8008, 42.4414, 64.9084
YIQ	154.7480, -79.0400, -21.3120

Conversions

Conversions Part 2

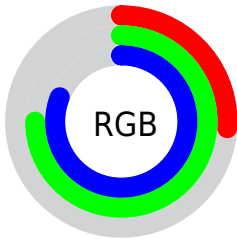
Format	Color
RYB	66, 132, 206
Decimal	4374222
CIELab	71.17, -28.64, -18.02
CIELCh	71, 33.838, 212.183
Yxy	42.4414, 0.2285, 0.3050
Android (android.graphics.Color)	4282564302 (0xFF42BECE)
YUV	154.7480, 25.2672, -77.8320
Hunter-Lab	65.1471, -26.8746, -13.4698

Details

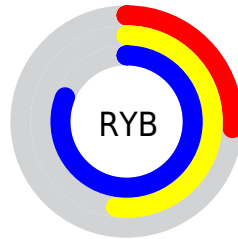
The XYZ color **31.8008, 42.4414, 64.9084** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.4554, 19.5510, 7.3768**, and the grayscale version is **30.9629, 32.5754, 35.4746**.

A 20% lighter version of the original color is **60.6708, 78.5668, 106.5750**, and **14.4717, 19.8753, 32.7793** is the 20% darker color. If you saturate the color by 10%, you get **30.1492, 40.8400, 64.6871**, and if you desaturate by 10%, it is **33.9629, 44.3200, 65.1578**.

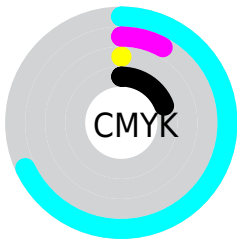
Distribution



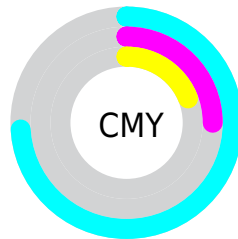
- Red (26%)
- Green (75%)
- Blue (81%)



- Red (26%)
- Yellow (52%)
- Blue (81%)



- Cyan (68%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (74%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8008, 42.4414, 64.9084 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 31.8008, 42.4414, 64.9084 by changing the saturation by 10% instead.

■ 31.8008, 42.4414,
64.9084

■ 31.8008, 42.4414,
64.9084

301.9723,
356.3095, 460.7599

■ 21.3642, 29.4471,
46.9359

■ 61.8660, 78.8672,
113.5302

■ 13.5045, 19.4193,
32.6310

■ 82.2253, 103.0675,
145.0166

■ 7.8562, 11.9736,
21.5751

■ 106.6228,
131.7719, 181.8447

■ 4.0541, 6.7257,
13.3497

■ 135.4240,
165.3648, 224.4330

■ 1.7328, 3.2912,
7.5363

168.9942,
204.2307, 273.2002

■ 0.4767, 1.2856,
3.7162

207.6988,

■ 0.0000, 0.1300,

248.7538, 328.5647

1.4710

251.9030,
299.3186, 390.9451

■ 0.0000, 0.0000,
0.1962

■ 0.0000, 0.0000,
0.0000

■ 31.8008, 42.4414,
64.9084

■ 31.8008, 42.4414,
64.9084

■ 30.1492, 40.8400,
64.6871

■ 33.9629, 44.3200,
65.1578

■ 28.9475, 39.4818,
64.4883

■ 36.6797, 46.4960,
65.4347

■ 28.1146, 38.3258,
64.3091

■ 39.9952, 48.9929,
65.7419

■ 27.9629, 38.1007,
64.2736

■ 43.9477, 51.8306,
66.0813

■ 48.5723, 55.0273,
66.4545

■ 53.9017, 58.5997,
66.8632

■ 59.9663, 62.5638,
67.3087

■ 66.7946, 66.9341,
67.7924

■ 74.4137, 71.7249,
68.3155

Harmonies

Analogous

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



30.3997, 42.4414, 47.4105



31.8008, 42.4414, 64.9084



35.4644, 42.4414, 79.6774

Triad

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



31.8008, 42.4414, 64.9084



50.7661, 42.4414, 62.3600



39.9256, 42.4414, 21.5132

Complementary

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



31.8008, 42.4414, 64.9084



29.4554, 19.5510, 7.3768

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.



45.6416, 42.4414, 23.7386



31.8008, 42.4414, 64.9084



52.2388, 42.4414, 45.0328

Square

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



31.8008, 42.4414, 64.9084



46.4267, 42.4414, 77.9802



50.2837, 42.4414, 31.5013



34.8087, 42.4414, 24.5094

Rectangle

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



31.8008, 42.4414, 64.9084



38.8751, 42.4414, 84.5422



50.2837, 42.4414, 31.5013



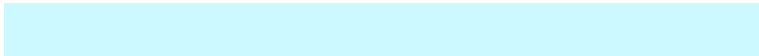
41.8398, 42.4414, 21.6742

Sweetspot

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



31.8021, 42.4430, 64.9094



76.8806, 87.9149, 107.5250



25.7672, 45.8810, 15.0888



15.9906, 18.4973, 22.9775



0.0000, 0.0000, 0.0000



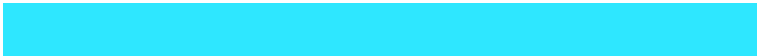
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8021, 42.4430, 64.9094



47.7773, 65.0086, 104.6375



20.3483, 19.5353, 61.0915



11.4296, 12.4996, 14.3806



17.2639, 23.5518, 39.5923



0.9225, 1.2787, 2.0531

Inverse Universe

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



36.6972, 20.7372, 50.7853



56.6516, 28.9816, 78.2865



37.3445, 35.3294, 10.0066



11.6302, 11.3808, 13.8531



20.9249, 10.1806, 28.3871



1.0956, 0.5316, 1.5491

Previews

White Background



This preview shows how the XYZ color 31.8008, 42.4414, 64.9084 looks on a white background.

Color Contrast Check

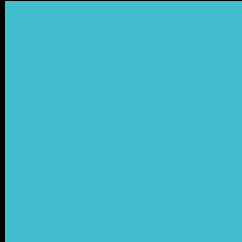
Large Text (above 18pt) WCAG AA × Fail

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 31.8008, 42.4414, 64.9084 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 31.8008, 42.4414, 64.9084

Background



This preview shows how black text looks on a background with the XYZ color 31.8008, 42.4414, 64.9084.

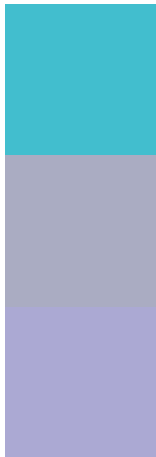


This preview shows how white text looks on a background with the XYZ color 31.8008, 42.4414,

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

31.8008, 42.4414, 64.9084

Protanopia

41.0677, 41.9461, 56.9709

Deuteranopia

42.7404, 41.7370, 67.4314



Tritanopia

31.8008, 42.4414, 64.9084

Trichromacy



Original Color

31.8008, 42.4414, 64.9084



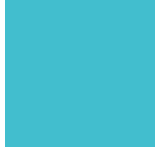
Protanomaly

35.8289, 41.2229, 59.4945



Deuteranomaly

36.9036, 41.0343, 66.2970



Tritanomaly

31.8008, 42.4414, 64.9084

Monochromacy



Original Color

31.8008, 42.4414, 64.9084



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.8110, 35.2722, 45.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8008, 42.4414, 64.9084 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(66, 190, 206)` looks like.

```
.text, #text, p{  
    color:rgb(66, 190, 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(66, 190, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 190, 206) }
```

Border

The CSS property to change the border of an element to XYZ 31.8008, 42.4414, 64.9084 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(66, 190, 206) }
```


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

```
.border{ border-color:rgb(66, 190, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 190, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 190, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 190, 206);  
box-shadow:4px 4px 4px 4px rgb(66, 190,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8008, 42.4414, 64.9084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 190, 206) }
```

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

```
.background{ background-color: rgb(66, 190,  
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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