

Converting Colors

XYZ(32.8372, 42.0686, 64.6471)

Have a look what the booklet for
XYZ(32.8372, 42.0686, 64.6471)
contains.

XYZ(32.8414, 42.0231, 64.7729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8414, 42.0231,
64.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	57BBCE
RGB	87, 187, 206
RGB Percent	34%, 73%, 81%
CMY	0.6588, 0.2667, 0.1922
CMYK	0.58, 0.09, 0.00, 0.19
HSL	190°, 55%, 57%
HSV	190°, 58%, 81%
XYZ	32.8414, 42.0231, 64.7729
YIQ	159.2660, -65.6990, -15.2910

Conversions

Conversions Part 2

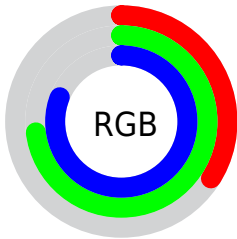
Format	Color
R _Y B	87, 141, 206
Decimal	5749710
CIE Lab	70.89, -23.65, -18.40
CIE LCh	71, 29.969, 217.880
Yxy	42.0231, 0.2352, 0.3009
Android (android.graphics.Color)	4283939790 (0xFF57BBCE)
YUV	159.2660, 23.0399, -63.3773
Hunter-Lab	64.8252, -23.0135, -13.8645

Details

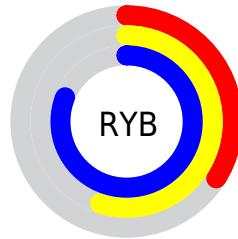
The XYZ color **32.8414, 42.0231, 64.7729** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **32.3290, 24.1193, 11.9697**, and the grayscale version is **32.9971, 34.7155, 37.8052**.

A 20% lighter version of the original color is **61.9547, 77.4322, 106.2883**, and **14.1926, 19.3172, 32.6863** is the 20% darker color. If you saturate the color by 10%, you get **30.4961, 39.7909, 64.4664**, and if you desaturate by 10%, it is **35.7540, 44.5733, 65.1124**.

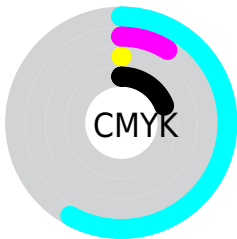
Distribution



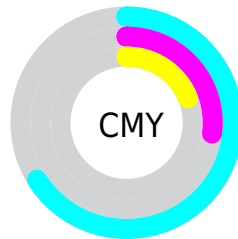
- Red (34%)
- Green (73%)
- Blue (81%)



- Red (34%)
- Yellow (55%)
- Blue (81%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (66%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8414, 42.0231, 64.7729 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 32.8414, 42.0231, 64.7729 by changing the saturation by 10% instead.

■ 32.8414, 42.0231,
64.7729

■ 32.8414, 42.0231,
64.7729

306.6121,
354.5787, 460.2593

■ 22.1636, 29.1194,
46.8268

■ 63.4842, 78.2346,
113.3334

■ 14.0945, 19.1711,
32.5454

■ 84.1799, 102.3111,
144.7849

■ 8.2685, 11.7940,
21.5101

■ 108.9456,
130.8808, 181.5753

■ 4.3205, 6.6036,
13.3025

■ 138.1467,
164.3278, 224.1231

■ 1.8850, 3.2154,
7.5040

172.1486,
203.0368, 272.8469

■ 0.5681, 1.2452,
3.6961

211.3165,

■ 0.0000, 0.0982,

247.3920, 328.1651

1.4601

256.0159,
297.7778, 390.4964

■ 0.0000, 0.0000,
0.1880

■ 0.0000, 0.0000,
0.0000

■ 32.8414, 42.0231,
64.7729

■ 32.8414, 42.0231,
64.7729

■ 30.4961, 39.7909,
64.4664

■ 35.7540, 44.5733,
65.1124

■ 28.6659, 37.8470,
64.1877

■ 39.2725, 47.4587,
65.4839

■ 27.2957, 36.1636,
63.9350

■ 43.4366, 50.7010,
65.8903

■ 26.3049, 34.6990,
63.7045

■ 48.2814, 54.3185,
66.3331

■ 26.1057, 34.3863,
63.6546

■ 53.8395, 58.3279,
66.8141

■ 60.1413, 62.7453,
67.3346

■ 67.2155, 67.5855,
67.8960

■ 75.0893, 72.8627,
68.4996

■ 77.0915, 75.1378,
68.8332

Harmonies

Analogous

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



31.1767, 42.0231, 49.6248



32.8414, 42.0231, 64.7729



36.4388, 42.0231, 76.2014

Triad

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



32.8414, 42.0231, 64.7729



49.4992, 42.0231, 56.8950



38.6416, 42.0231, 23.5888

Complementary

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



32.8414, 42.0231, 64.7729



32.3290, 24.1193, 11.9697

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.



43.6622, 42.0231, 24.7399



32.8414, 42.0231, 64.7729



50.2124, 42.0231, 42.0937

Square

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



32.8414, 42.0231, 64.7729



46.1231, 42.0231, 71.0336



47.9980, 42.0231, 30.8813



34.3388, 42.0231, 27.3235

Rectangle

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



32.8414, 42.0231, 64.7729



39.5880, 42.0231, 79.0496



47.9980, 42.0231, 30.8813



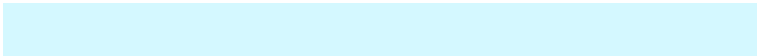
40.2975, 42.0231, 23.4345

Sweetspot

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



32.8427, 42.0247, 64.7739



78.6922, 88.3484, 107.5132



28.5451, 47.1867, 20.9292



16.4792, 18.6427, 22.9798



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.



32.8427, 42.0247, 64.7739



48.7226, 63.7724, 104.3491



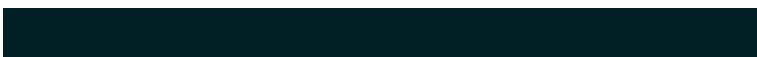
22.8766, 22.0925, 61.4519



11.3848, 12.4101, 14.3657



16.1342, 21.2924, 39.2158



0.8743, 1.1823, 2.0371

Inverse Universe

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



37.8326, 23.5274, 49.5625



57.8921, 32.4002, 75.8093



40.5132, 40.4877, 14.6978



11.6076, 11.3718, 13.7343



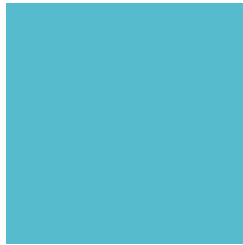
20.3547, 9.9525, 25.3843



1.0712, 0.5219, 1.4210

Previews

White Background



This preview shows how the XYZ color 32.8414, 42.0231, 64.7729 looks on a white background.

Color Contrast Check

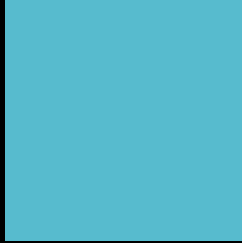
Large Text (above 18pt) WCAG AA × Fail

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 32.8414, 42.0231, 64.7729 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 32.8414, 42.0231, 64.7729

Background



This preview shows how black text looks on a background with the XYZ color 32.8414, 42.0231, 64.7729.



This preview shows how white text looks on a background with the XYZ color 32.8414, 42.0231,

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

32.8414, 42.0231, 64.7729

Protanopia

40.7754, 41.5010, 57.4912

Deuteranopia

42.3984, 41.5751, 66.7629



Tritanopia

32.6005, 42.2567, 62.9380

Trichromacy



Original Color

32.8414, 42.0231, 64.7729

Protanomaly

36.6784, 41.0568, 60.0244

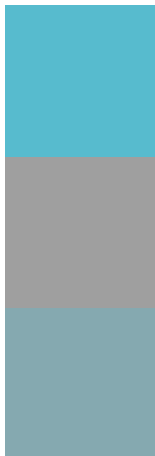
Deuteranomaly

37.8492, 41.2296, 66.2848

Tritanomaly

32.7201, 42.3045, 63.5678

Monochromacy



Original Color

32.8414, 42.0231, 64.7729

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.6973, 36.4971, 46.4483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8414, 42.0231, 64.7729 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(87, 187, 206)` looks like.

```
.text, #text, p{  
    color:rgb(87, 187, 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(87, 187, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 187, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.8414, 42.0231, 64.7729 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(87, 187, 206) }
```


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

```
.border{ border-color:rgb(87, 187, 206) }
```

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

Here you see how a box with a 4 pixel rgb(87, 187, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 187, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 187, 206);  
box-shadow:4px 4px 4px 4px rgb(87, 187,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8414, 42.0231, 64.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 187, 206) }
```

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

```
.background{ background-color: rgb(87, 187,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor