

Converting Colors

XYZ(32.1613, 47.0832, 47.7534)

Have a look what the booklet for
XYZ(32.1613, 47.0832, 47.7534)
contains.

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Color

**XYZ(32.1667, 47.0417,
47.9420)**

Conversions

Conversions Part 1

Format	Color
Hex	50CAAF
RGB	80, 202, 175
RGB Percent	31%, 79%, 69%
CMY	0.6863, 0.2078, 0.3137
CMYK	0.60, 0.00, 0.13, 0.21
HSL	167°, 54%, 55%
HSV	167°, 60%, 79%
XYZ	32.1667, 47.0417, 47.9420
YIQ	162.4440, -64.0450, -34.2610

Conversions

Conversions Part 2

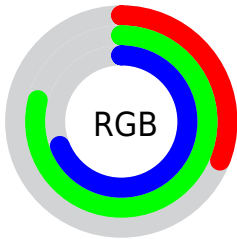
Format	Color
RYB	80, 149, 202
Decimal	5294767
CIELab	74.22, -40.43, 3.39
CIELCh	74, 40.568, 175.204
Yxy	47.0417, 0.2530, 0.3700
Android (android.graphics.Color)	4283484847 (0xFF50CAAF)
YUV	162.4440, 6.1901, -72.3034
Hunter-Lab	68.5870, -36.3122, 6.5674

Details

The XYZ color **32.1667, 47.0417, 47.9420** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **29.8813, 19.3568, 16.0732**, and the grayscale version is **34.5456, 36.3447, 39.5794**.

A 20% lighter version of the original color is **60.8581, 82.8086, 87.6390**, and **14.0089, 22.2975, 22.3044** is the 20% darker color. If you saturate the color by 10%, you get **30.2790, 46.1196, 45.6000**, and if you desaturate by 10%, it is **34.5842, 48.2375, 50.3868**.

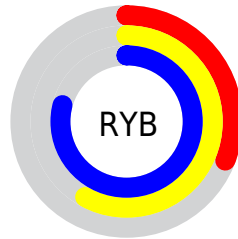
Distribution



Red (31%)

Green (79%)

Blue (69%)



Red (31%)

Yellow (58%)

Blue (79%)

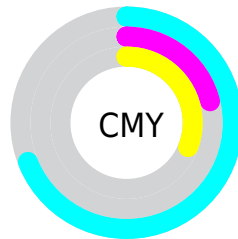


Cyan (60%)

Magenta (0%)

Yellow (13%)

Black (21%)



Cyan (69%)


Magenta (21%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1667, 47.0417, 47.9420 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 32.1667, 47.0417, 47.9420 by changing the saturation by 10% instead.


 32.1667, 47.0417,
47.9420


 32.1667, 47.0417,
47.9420


303.6097,
374.9810, 395.0643


 21.6450, 33.0686,
33.4213


 62.4358, 85.7759,
88.4827

 13.7114, 22.1790,
22.1756

 82.9139, 111.3057,
115.3398

 8.0006, 13.9885,
13.7865


 107.4415,
141.4567, 147.1460

 4.1471, 8.1127,
7.8352

 136.3840,
176.6130, 184.3200

 1.7857, 4.1671,
3.9034

170.1067,
217.1593, 227.2803

 0.5090, 1.7675,
1.5725

208.9750,

 0.0000, 0.4668,

263.4797, 276.4454

0.2711

253.3542,
315.9588, 332.2339

■ 0.0000, 0.0000,
0.0000

■ 32.1667, 47.0417,
47.9420

■ 32.1667, 47.0417,
47.9420

■ 30.2790, 46.1196,
45.6000

■ 34.5842, 48.2375,
50.3868

■ 28.8695, 45.4412,
43.3545

■ 37.5692, 49.7231,
52.9337

■ 27.8829, 44.9792,
41.2033

■ 41.1608, 51.5196,
55.5863

■ 27.2323, 44.6870,
39.2202

■ 45.3931, 53.6448,
58.3470

■ 50.2979, 56.1148,
61.2178

■ 55.9046, 58.9450,
64.2009

■ 62.2412, 62.1496,
67.2982

■ 69.3337, 65.7421,
70.5115

■ 74.6579, 68.4213,
73.7235

Harmonies

Analogous

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



34.1769, 47.0417, 31.5854



32.1667, 47.0417, 47.9420



33.2080, 47.0417, 70.2518

Triad

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



32.1667, 47.0417, 47.9420



50.9393, 47.0417, 96.7112



53.1821, 47.0417, 24.8557

Complementary

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



32.1667, 47.0417, 47.9420



29.8813, 19.3568, 16.0732

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.



58.6057, 47.0417, 35.9797



32.1667, 47.0417, 47.9420



57.2155, 47.0417, 77.6630

Square

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



32.1667, 47.0417, 47.9420



43.5518, 47.0417, 102.4345



60.1560, 47.0417, 54.6450



45.8920, 47.0417, 20.7646

Rectangle

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



32.1667, 47.0417, 47.9420



35.5591, 47.0417, 85.2470



60.1560, 47.0417, 54.6450



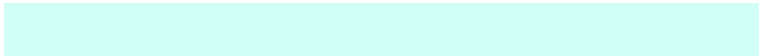
55.3138, 47.0417, 27.7203

Sweetspot

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



32.1680, 47.0435, 47.9431



78.5400, 91.6728, 99.8141



28.8113, 46.0397, 14.9584



16.3181, 19.3739, 21.0626



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.



32.1680, 47.0435, 47.9431



50.5721, 77.7484, 76.2037



28.2454, 34.5214, 61.0538



11.4328, 12.6829, 13.8368



17.5576, 28.7683, 25.4189



0.9327, 1.4949, 1.4533

Inverse Universe

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



29.8813, 19.3568, 16.0732



46.4454, 26.9882, 18.1011



31.6599, 24.8437, 10.7171



11.3123, 11.2537, 12.1792



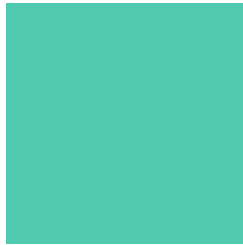
16.0025, 8.2116, 2.4660



0.8550, 0.4354, 0.2821

Previews

White Background



This preview shows how the XYZ color 32.1667, 47.0417, 47.9420 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 32.1667, 47.0417, 47.9420 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

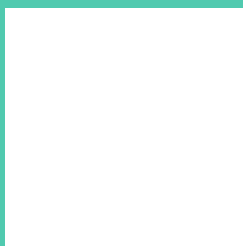
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1667, 47.0417, 47.9420

Background



This preview shows how black text looks on a background with the XYZ color 32.1667, 47.0417, 47.9420.

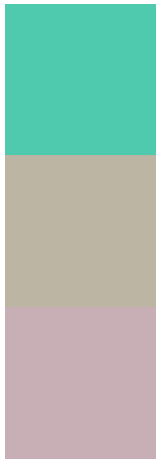


This preview shows how white text looks on a background with the XYZ color 32.1667, 47.0417,

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

32.1667, 47.0417, 47.9420

Protanopia

44.1210, 46.5109, 41.3024

Deuteranopia

47.2236, 46.1383, 50.1327



Tritanopia

36.5926, 47.1163, 70.1165

Trichromacy



Original Color

32.1667, 47.0417, 47.9420



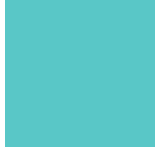
Protanomaly

37.5671, 45.5748, 43.3760



Deuteranomaly

39.1959, 45.0205, 49.2718



Tritanomaly

34.8521, 47.0942, 61.2860

Monochromacy



Original Color

32.1667, 47.0417, 47.9420



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.2129, 39.1398, 42.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1667, 47.0417, 47.9420 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(80, 202, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 202, 175)  
}
```

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(80, 202, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 202, 175) }
```

Border

The CSS property to change the border of an element to XYZ 32.1667, 47.0417, 47.9420 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(80, 202, 175) }
```


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

```
.border{ border-color:rgb(80, 202, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 202, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 202, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 202, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 202,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1667, 47.0417, 47.9420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 202, 175) }
```

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

```
.background{ background-color: rgb(80, 202,  
175) }
```

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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