

Converting Colors

XYZ(40.2495, 64.8570, 48.9770)

Have a look what the booklet for
XYZ(40.2495, 64.8570, 48.9770)
contains.

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Color

**XYZ(40.2334, 64.8482,
48.9245)**

Conversions

Conversions Part 1

Format	Color
Hex	47EDAB
RGB	71, 237, 171
RGB Percent	28%, 93%, 67%
CMY	0.7215, 0.0706, 0.3294
CMYK	0.70, 0.00, 0.28, 0.07
HSL	156°, 82%, 60%
HSV	156°, 70%, 93%
XYZ	40.2334, 64.8482, 48.9245
YIQ	179.8420, -77.7500, -55.7180

Conversions

Conversions Part 2

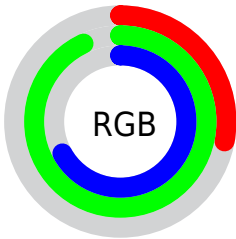
Format	Color
RYB	71, 175, 237
Decimal	4713899
CIELab	84.41, -57.36, 19.93
CIELCh	84, 60.723, 160.843
Yxy	64.8482, 0.2612, 0.4211
Android (android.graphics.Color)	4282903979 (0xFF47EDAB)
YUV	179.8420, -4.3591, -95.4544
Hunter-Lab	80.5284, -51.7429, 20.3486

Details

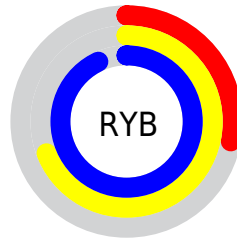
The XYZ color **40.2334, 64.8482, 48.9245** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.6958, 24.3187, 26.1659**, and the grayscale version is **43.3519, 45.6096, 49.6688**.

A 20% lighter version of the original color is **60.2726, 82.5550, 85.4311**, and **19.6510, 33.9744, 22.9748** is the 20% darker color. If you saturate the color by 10%, you get **37.9559, 63.7759, 44.2959**, and if you desaturate by 10%, it is **43.2558, 66.3005, 53.9251**.

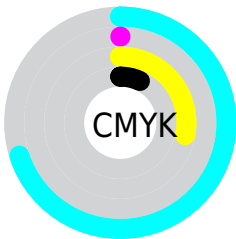
Distribution



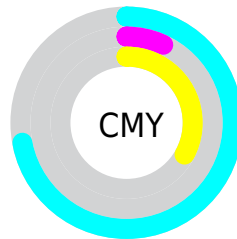
- Red (28%)
- Green (93%)
- Blue (67%)



- Red (28%)
- Yellow (69%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (72%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2334, 64.8482, 48.9245 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 40.2334, 64.8482, 48.9245 by changing the saturation by 10% instead.


 40.2334, 64.8482,
48.9245


 40.2334, 64.8482,
48.9245


338.2239,
442.2463, 399.0589

 27.9056, 47.3380,
34.1944


 74.8009, 111.8316,
89.9591


 18.3946, 33.3029,
22.7644


 97.7713, 142.0736,
117.1008

 11.3351, 22.3586,
14.2160


 125.0199,
177.3283, 149.2167

 6.3616, 14.1206,
8.1306

 156.9121,
217.9801, 186.7253

 3.1089, 8.2046,
4.0896

193.8132,
264.4134, 230.0454

 1.2116, 4.2262,
1.6747

236.0887,

 0.1155, 1.8009,

317.0126, 279.5953

0.3433

284.1038,
376.1621, 335.7936

■ 0.0000, 0.4877,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2334, 64.8482,
48.9245

■ 40.2334, 64.8482,
48.9245

■ 37.9559, 63.7759,
44.2959

■ 43.2558, 66.3005,
53.9251


■ 36.3329, 63.0321,
40.0240


■ 47.0896, 68.1618,
59.3033


■ 35.2258, 62.5468,
36.1116


■ 51.7994, 70.4670,
65.0701


■ 57.4417, 73.2452,
71.2345

 64.0681, 76.5226,
77.8050

 71.7263, 80.3239,
84.7899

 80.4607, 84.6718,
92.1971

 88.2197, 88.5084,
99.9364

 89.5753, 89.0506,
107.0751

Harmonies

Analogous

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



46.1783, 64.8482, 27.9949



40.2334, 64.8482, 48.9245



39.5052, 64.8482, 85.5287

Triad

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



40.2334, 64.8482, 48.9245



66.6467, 64.8482, 171.6128



83.4203, 64.8482, 32.3106

Complementary

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



40.2334, 64.8482, 48.9245



41.6958, 24.3187, 26.1659

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.



90.7901, 64.8482, 57.5333



40.2334, 64.8482, 48.9245



80.2080, 64.8482, 143.0545

Square

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



40.2334, 64.8482, 48.9245



53.5084, 64.8482, 166.6217



89.5355, 64.8482, 97.9063



70.5482, 64.8482, 21.1087

Rectangle

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



40.2334, 64.8482, 48.9245



41.9367, 64.8482, 115.9637



89.5355, 64.8482, 97.9063



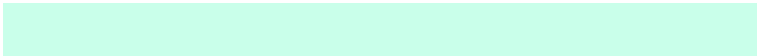
86.7026, 64.8482, 38.9548

Sweetspot

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



40.2351, 64.8508, 48.9260



74.7780, 89.9237, 91.0382



41.8058, 66.3783, 16.5710



15.5231, 19.0085, 19.0182



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.



40.2351, 64.8508, 48.9260



43.9064, 74.8833, 50.0873



43.5849, 58.8532, 89.1864



15.2494, 17.0146, 17.9960



19.2978, 34.1736, 20.0651



1.5626, 2.7023, 1.8242

Inverse Universe

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



41.6958, 24.3187, 26.1659



45.7898, 24.3376, 22.0117



39.5213, 25.3750, 8.7770



15.3136, 15.1533, 16.9365



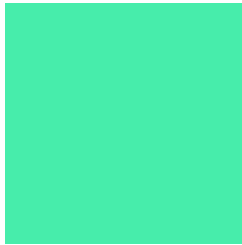
20.2370, 10.2975, 7.0495



1.6354, 0.8271, 0.7972

Previews

White Background



This preview shows how the XYZ color 40.2334, 64.8482, 48.9245 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 40.2334, 64.8482, 48.9245 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

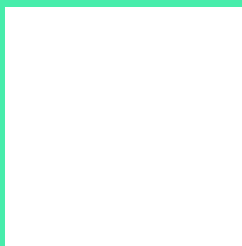
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2334, 64.8482, 48.9245

Background



This preview shows how black text looks on a background with the XYZ color 40.2334, 64.8482, 48.9245.

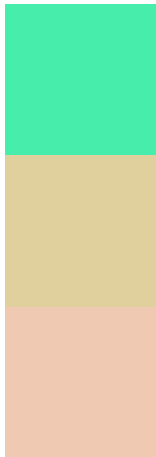


This preview shows how white text looks on a background with the XYZ color 40.2334, 64.8482,

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

40.2334, 64.8482, 48.9245

Protanopia

59.1589, 63.2683, 41.4418

Deuteranopia

64.9585, 63.5532, 51.4911



Tritanopia

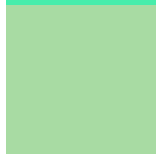
49.5831, 64.4168, 97.0092

Trichromacy



Original Color

40.2334, 64.8482, 48.9245



Protanomaly

48.0908, 61.6322, 44.0119



Deuteranomaly

50.4734, 60.8114, 50.1518



Tritanomaly

45.6765, 64.4904, 77.0583

Monochromacy



Original Color

40.2334, 64.8482, 48.9245



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.6377, 50.5231, 49.2578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2334, 64.8482, 48.9245 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(71, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(71, 237, 171)  
}
```

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(71, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 40.2334, 64.8482, 48.9245 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(71, 237, 171) }
```


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

```
.border{ border-color:rgb(71, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(71, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2334, 64.8482, 48.9245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 237, 171) }
```

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

```
.background{ background-color: rgb(71, 237,  
171) }
```

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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