

Converting Colors

XYZ(32.3623, 50.8418, 41.6404)

Have a look what the booklet for
XYZ(32.3623, 50.8418, 41.6404)
contains.

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Color

**XYZ(32.4307, 50.9254,
41.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	45D4A1
RGB	69, 212, 161
RGB Percent	27%, 83%, 63%
CMY	0.7294, 0.1686, 0.3686
CMYK	0.67, 0.00, 0.24, 0.17
HSL	159°, 62%, 55%
HSV	159°, 67%, 83%
XYZ	32.4307, 50.9254, 41.8385
YIQ	163.4290, -68.8570, -46.1770

Conversions

Conversions Part 2

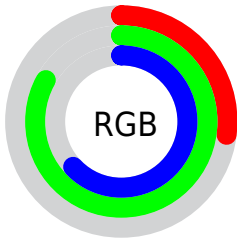
Format	Color
RYB	69, 156, 212
Decimal	4576417
CIELab	76.63, -49.89, 14.31
CIELCh	77, 51.907, 163.995
Yxy	50.9254, 0.2590, 0.4068
Android (android.graphics.Color)	4282766497 (0xFF45D4A1)
YUV	163.4290, -1.1975, -82.8142
Hunter-Lab	71.3620, -43.7637, 15.1926

Details

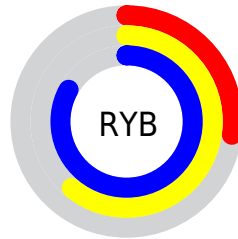
The XYZ color **32.4307, 50.9254, 41.8385** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **32.6713, 19.6105, 19.8342**, and the grayscale version is **35.0456, 36.8707, 40.1522**.

A 20% lighter version of the original color is **57.8275, 81.4644, 77.6421**, and **14.6488, 24.8811, 18.4985** is the 20% darker color. If you saturate the color by 10%, you get **30.5403, 50.0269, 38.3747**, and if you desaturate by 10%, it is **34.9012, 52.1209, 45.5423**.

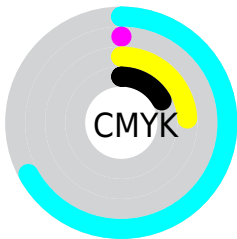
Distribution



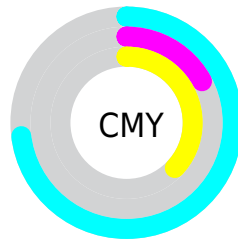
- Red (27%)
- Green (83%)
- Blue (63%)



- Red (27%)
- Yellow (61%)
- Blue (83%)



- Cyan (67%)
- Magenta (0%)
- Yellow (24%)
- Black (17%)





- Cyan (73%)
- Magenta (17%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4307, 50.9254, 41.8385 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 32.4307, 50.9254, 41.8385 by changing the saturation by 10% instead.


 32.4307, 50.9254,
41.8385


 32.4307, 50.9254,
41.8385


304.7871,
390.2739, 369.5929


 21.8478, 36.1492,
28.6502


 62.8463, 91.5445,
79.2226

 13.8611, 24.5495,
18.5731


 83.4098, 118.1562,
104.2555

 8.1052, 15.7417,
11.1885


 108.0308,
149.4819, 134.0737

 4.2147, 9.3416,
6.0780

 137.0748,
185.9060, 169.0957

 1.8243, 4.9646,
2.8230

170.9071,
227.8128, 209.7401

 0.5322, 2.2265,
1.0050

209.8930,

 0.0000, 0.7344,

275.5868, 256.4254

0.0000

254.3979,
329.6124, 309.5702

■ 0.0000, 0.0000,
0.0000

■ 32.4307, 50.9254,
41.8385

■ 32.4307, 50.9254,
41.8385

■ 30.5403, 50.0269,
38.3747

■ 34.9012, 52.1209,
45.5423

■ 29.1649, 49.3880,
35.1406

■ 37.9997, 53.6341,
49.4884

■ 28.2225, 48.9679,
32.1299

■ 41.7737, 55.4907,
53.6838

■ 28.0162, 48.8775,
31.3963

■ 46.2649, 57.7122,
58.1339

■ 51.5113, 60.3180,
62.8436

■ 57.5484, 63.3264,
67.8181

■ 64.4093, 66.7543,
73.0619

■ 72.1250, 70.6178,
78.5798

■ 78.9347, 74.0089,
84.2924

Harmonies

Analogous

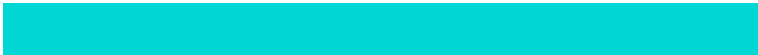
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4395, 50.9254, 24.9409



32.4307, 50.9254, 41.8385



32.2996, 50.9254, 69.5777

Triad

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



32.4307, 50.9254, 41.8385



53.1132, 50.9254, 126.1887



63.2930, 50.9254, 25.7367

Complementary

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



32.4307, 50.9254, 41.8385



32.6713, 19.6105, 19.8342

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.



69.1275, 50.9254, 43.3756



32.4307, 50.9254, 41.8385



62.7346, 50.9254, 104.1440

Square

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



32.4307, 50.9254, 41.8385



43.3825, 50.9254, 125.3411



68.9103, 50.9254, 71.7313



53.7968, 50.9254, 18.0261

Rectangle

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



32.4307, 50.9254, 41.8385



34.3785, 50.9254, 91.5018



68.9103, 50.9254, 71.7313



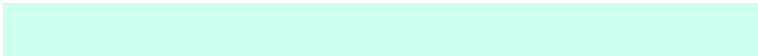
65.8013, 50.9254, 30.3818

Sweetspot

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



32.4321, 50.9274, 41.8397



75.9202, 90.4607, 93.4350



32.5652, 51.6151, 13.8771



15.7598, 19.1188, 19.5620



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.



32.4321, 50.9274, 41.8397



45.3749, 75.5092, 56.0785



33.3947, 44.1311, 69.0479



12.5954, 14.0292, 14.9499



17.3445, 30.1931, 19.6414



1.0849, 1.8366, 1.3890

Inverse Universe

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



32.6713, 19.6105, 19.8342



45.8356, 24.8190, 20.8252



31.7222, 21.4183, 8.0930



12.6044, 12.4933, 13.8570



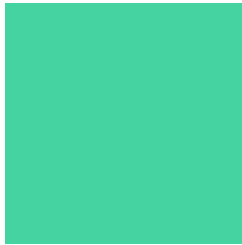
17.6025, 8.9773, 5.2107



1.1005, 0.5570, 0.5189

Previews

White Background



This preview shows how the XYZ color 32.4307, 50.9254, 41.8385 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 32.4307, 50.9254, 41.8385 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

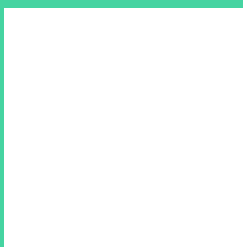
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4307, 50.9254, 41.8385

Background



This preview shows how black text looks on a background with the XYZ color 32.4307, 50.9254, 41.8385.



This preview shows how white text looks on a background with the XYZ color 32.4307, 50.9254,

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

32.4307, 50.9254, 41.8385

Protanopia

46.7483, 49.8527, 35.5924

Deuteranopia

51.0323, 50.0210, 44.0111



Tritanopia

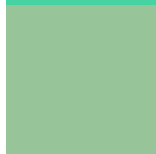
39.1582, 50.7333, 76.1353

Trichromacy



Original Color

32.4307, 50.9254, 41.8385



Protanomaly

38.4386, 48.4552, 37.4638



Deuteranomaly

40.3391, 47.9930, 42.7348



Tritanomaly

36.2778, 50.6340, 61.8941

Monochromacy



Original Color

32.4307, 50.9254, 41.8385



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.0987, 40.3235, 40.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4307, 50.9254, 41.8385 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(69, 212, 161)` looks like.

```
.text, #text, p{  
    color:rgb(69, 212, 161)  
}
```

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(69, 212, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 212, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.4307, 50.9254, 41.8385 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(69, 212, 161) }
```


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

```
.border{ border-color:rgb(69, 212, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 212, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 212, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 212, 161);  
box-shadow:4px 4px 4px 4px rgb(69, 212,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4307, 50.9254, 41.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 212, 161) }
```

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

```
.background{ background-color: rgb(69, 212,  
161) }
```

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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