

Converting Colors

XYZ(33.0290, 49.2724, 50.5894)

Have a look what the booklet for
XYZ(33.0290, 49.2724, 50.5894)
contains.

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Color

**XYZ(32.9753, 49.1824,
50.4030)**

Conversions

Conversions Part 1

Format	Color
Hex	46CFB3
RGB	70, 207, 179
RGB Percent	27%, 81%, 70%
CMY	0.7255, 0.1882, 0.2980
CMYK	0.66, 0.00, 0.14, 0.19
HSL	168°, 59%, 54%
HSV	168°, 66%, 81%
XYZ	32.9753, 49.1824, 50.4030
YIQ	162.8450, -72.6640, -37.7520

Conversions

Conversions Part 2

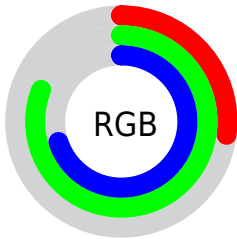
Format	Color
RYB	70, 146, 207
Decimal	4640691
CIELab	75.56, -43.34, 3.16
CIELCh	76, 43.456, 175.835
Yxy	49.1824, 0.2488, 0.3710
Android (android.graphics.Color)	4282830771 (0xFF46CFB3)
YUV	162.8450, 7.9644, -81.4251
Hunter-Lab	70.1302, -38.7968, 6.4790

Details

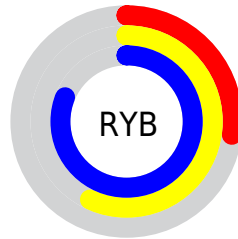
The XYZ color **32.9753, 49.1824, 50.4030** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.1286, 18.5289, 13.5456**, and the grayscale version is **34.7293, 36.5379, 39.7898**.

A 20% lighter version of the original color is **60.5869, 82.5865, 91.3448**, and **14.9941, 23.9628, 23.5737** is the 20% darker color. If you saturate the color by 10%, you get **31.3104, 48.3740, 48.1263**, and if you desaturate by 10%, it is **35.1706, 50.2651, 52.7753**.

Distribution



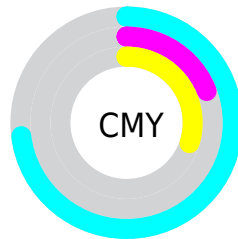
- Red (27%)
- Green (81%)
- Blue (70%)



- Red (27%)
- Yellow (57%)
- Blue (81%)



- Cyan (66%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)





- Cyan (73%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9753, 49.1824, 50.4030 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 32.9753, 49.1824, 50.4030 by changing the saturation by 10% instead.


 32.9753, 49.1824,
50.4030


 32.9753, 49.1824,
50.4030


307.2054,
383.4599, 405.0200


 22.2667, 34.7642,
35.3603


 63.6919, 88.9623,
92.1741


 14.1707, 23.4813,
23.6548


 84.4306, 115.0928,
119.7396

 8.3220, 14.9493,
14.8679


 109.2433,
145.8961, 152.3165

 4.3552, 8.7838,
8.5811

 138.4955,
181.7568, 190.3233

 1.9050, 4.6004,
4.3759

172.5524,
223.0591, 234.1784

 0.5797, 2.0148,
1.8338

211.7795,

 0.0000, 0.6160,

270.1874, 284.3006

0.4501

256.5420,
323.5263, 341.1082

■ 0.0000, 0.0000,
0.0000

■ 32.9753, 49.1824,
50.4030

■ 32.9753, 49.1824,
50.4030

■ 31.3104, 48.3740,
48.1263

■ 35.1706, 50.2651,
52.7753

■ 30.1161, 47.8055,
45.9384

■ 37.9398, 51.6410,
55.2425

■ 29.3239, 47.4428,
43.8368

■ 41.3267, 53.3337,
57.8083

■ 29.0772, 47.3327,
43.0544

■ 45.3695, 55.3630,
60.4752

■ 50.1034, 57.7470,
63.2453

■ 55.5609, 60.5024,
66.1208

■ 61.7725, 63.6451,
69.1036

■ 68.7671, 67.1897,
72.1956

■ 76.0886, 70.9012,
75.3760

Harmonies

Analogous

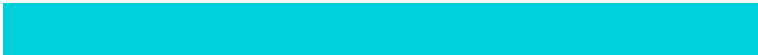
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0987, 49.1824, 32.3580



32.9753, 49.1824, 50.4030



34.1803, 49.1824, 75.2264

Triad

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



32.9753, 49.1824, 50.4030



53.8033, 49.1824, 104.0294



55.9651, 49.1824, 24.6619

Complementary

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



32.9753, 49.1824, 50.4030



30.1286, 18.5289, 13.5456

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.



62.0671, 49.1824, 36.4994



32.9753, 49.1824, 50.4030



60.7221, 49.1824, 82.4226

Square

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



32.9753, 49.1824, 50.4030



45.6338, 49.1824, 110.8736



63.8999, 49.1824, 56.8280



47.8769, 49.1824, 20.4463

Rectangle

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



32.9753, 49.1824, 50.4030



36.7923, 49.1824, 91.9494



63.8999, 49.1824, 56.8280



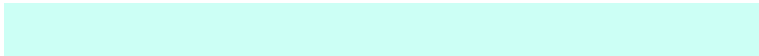
58.3512, 49.1824, 27.6806

Sweetspot

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



32.9767, 49.1843, 50.4042



77.0786, 90.9241, 99.5347



28.6405, 47.7611, 13.5046



16.0395, 19.2306, 21.0347



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.



32.9767, 49.1843, 50.4042



49.3725, 77.1379, 75.7878



27.8264, 33.8820, 64.1069



12.0505, 13.3640, 14.6224



18.3542, 29.8346, 27.3091



1.0531, 1.6789, 1.6681

Inverse Universe

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



30.1286, 18.5289, 13.5456



44.5914, 24.6779, 13.1743



32.2884, 24.6075, 8.8433



11.9062, 11.8472, 12.7816



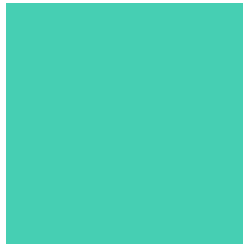
16.5069, 8.4756, 2.3097



0.9522, 0.4856, 0.2830

Previews

White Background



This preview shows how the XYZ color 32.9753, 49.1824, 50.4030 looks on a white background.

Color Contrast Check

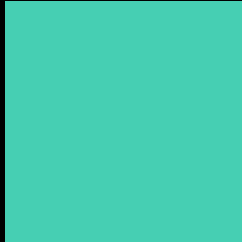
Large Text (above 18pt) WCAG AA × Fail

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 32.9753, 49.1824, 50.4030 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

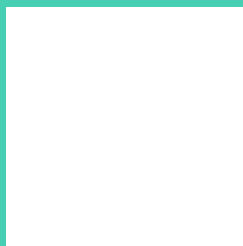
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9753, 49.1824, 50.4030

Background



This preview shows how black text looks on a background with the XYZ color 32.9753, 49.1824, 50.4030.



This preview shows how white text looks on a background with the XYZ color 32.9753, 49.1824,

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

32.9753, 49.1824, 50.4030

Protanopia

45.8538, 48.2775, 43.4609

Deuteranopia

49.2342, 48.2995, 52.6268



Tritanopia

37.4720, 48.8615, 73.7859

Trichromacy



Original Color

32.9753, 49.1824, 50.4030



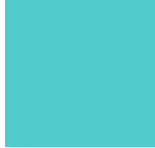
Protanomaly

38.4131, 46.9354, 45.5629



Deuteranomaly

40.0713, 46.6841, 51.6987



Tritanomaly

35.6484, 48.8208, 64.6712

Monochromacy



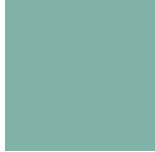
Original Color

32.9753, 49.1824, 50.4030



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.3348, 39.7719, 43.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9753, 49.1824, 50.4030 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(70, 207, 179)` looks like.

```
.text, #text, p{  
    color:rgb(70, 207, 179)  
}
```

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(70, 207, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 207, 179) }
```

Border

The CSS property to change the border of an element to XYZ 32.9753, 49.1824, 50.4030 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(70, 207, 179) }
```


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

```
.border{ border-color:rgb(70, 207, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 207, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 207, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 207, 179);  
box-shadow:4px 4px 4px 4px rgb(70, 207,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9753, 49.1824, 50.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 207, 179) }
```

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

```
.background{ background-color: rgb(70, 207,  
179) }
```

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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