

Converting Colors

XYZ(32.6405, 49.4641, 46.5585)

Have a look what the booklet for
XYZ(32.6405, 49.4641, 46.5585)
contains.

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Color

**XYZ(32.5790, 49.4297,
46.3519)**

Conversions

Conversions Part 1

Format	Color
Hex	48D0AB
RGB	72, 208, 171
RGB Percent	28%, 82%, 67%
CMY	0.7176, 0.1843, 0.3294
CMYK	0.65, 0.00, 0.18, 0.18
HSL	164°, 59%, 55%
HSV	164°, 65%, 82%
XYZ	32.5790, 49.4297, 46.3519
YIQ	163.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

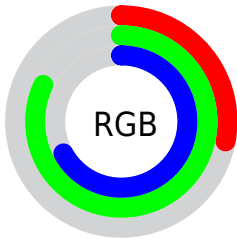
Format	Color
RYB	72, 151, 208
Decimal	4772011
CIELab	75.72, -45.41, 7.68
CIELCh	76, 46.060, 170.399
Yxy	49.4297, 0.2538, 0.3851
Android (android.graphics.Color)	4282962091 (0xFF48D0AB)
YUV	163.1180, 3.8858, -79.9105
Hunter-Lab	70.3063, -40.3214, 10.1253

Details

The XYZ color **32.5790, 49.4297, 46.3519** 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 **31.0917, 19.1499, 16.5273**, and the grayscale version is **34.8754, 36.6916, 39.9571**.

A 20% lighter version of the original color is **59.4791, 82.1619, 84.6755**, and **14.7210, 24.1144, 21.3314** is the 20% darker color. If you saturate the color by 10%, you get **30.7550, 48.5516, 43.5114**, and if you desaturate by 10%, it is **34.9532, 50.5912, 49.3409**.

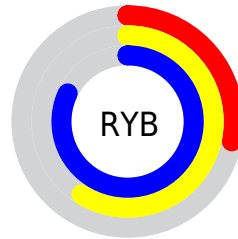
Distribution



Red (28%)

Green (82%)

Blue (67%)



Red (28%)

Yellow (59%)

Blue (82%)

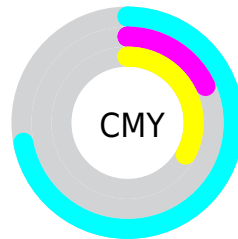


Cyan (65%)

Magenta (0%)

Yellow (18%)

Black (18%)



Cyan (72%)


Magenta (18%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5790, 49.4297, 46.3519 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 32.5790, 49.4297, 46.3519 by changing the saturation by 10% instead.


 32.5790, 49.4297,
46.3519


 32.5790, 49.4297,
46.3519


305.4470,
384.4315, 388.5402


 21.9618, 34.9605,
32.1729

 63.0768, 89.3293,
86.0852


 13.9453, 23.6324,
21.2277


 83.6881, 115.5285,
112.4767

 8.1641, 15.0612,
13.0977


 108.3615,
146.4064, 143.7760

 4.2528, 8.8623,
7.3643

 137.4623,
182.3475, 180.4018

 1.8461, 4.6515,
3.6091

171.3559,
223.7362, 222.7726

 0.5452, 2.0443,
1.4134

210.4076,

 0.0000, 0.6330,

270.9568, 271.3069

0.1522

254.9829,
324.3938, 326.4232

■ 0.0000, 0.0000,
0.0000

■ 32.5790, 49.4297,
46.3519

■ 32.5790, 49.4297,
46.3519

■ 30.7550, 48.5516,
43.5114

■ 34.9532, 50.5912,
49.3409

■ 29.4215, 47.9225,
40.8120

■ 37.9215, 52.0550,
52.4786

■ 28.5117, 47.5093,
38.2499

■ 41.5278, 53.8451,
55.7697

■ 28.1761, 47.3612,
37.1102

■ 45.8108, 55.9812,
59.2173

■ 50.8060, 58.4816,
62.8246

■ 56.5463, 61.3633,
66.5944

■ 63.0625, 64.6422,
70.5295

■ 70.3838, 68.3332,
74.6326

■ 76.9728, 71.6438,
78.8331

Harmonies

Analogous

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



35.4306, 49.4297, 29.0641



32.5790, 49.4297, 46.3519



33.2097, 49.4297, 71.9337

Triad

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



32.5790, 49.4297, 46.3519



52.9408, 49.4297, 111.0293



58.2455, 49.4297, 25.1083

Complementary

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



32.5790, 49.4297, 46.3519



31.0917, 19.1499, 16.5273

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.



64.1148, 49.4297, 39.0359



32.5790, 49.4297, 46.3519



60.8039, 49.4297, 89.7087

Square

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



32.5790, 49.4297, 46.3519



44.2956, 49.4297, 114.7830



65.1039, 49.4297, 62.0512



49.7737, 49.4297, 19.4924

Rectangle

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



32.5790, 49.4297, 46.3519



35.5527, 49.4297, 90.4166



65.1039, 49.4297, 62.0512



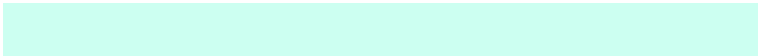
60.6293, 49.4297, 28.7323

Sweetspot

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



32.5804, 49.4316, 46.3531



76.5576, 90.7157, 96.7913



30.2240, 48.9309, 13.9833



15.9135, 19.1802, 20.3712



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.



32.5804, 49.4316, 46.3531



47.9255, 76.5753, 67.4418



30.0858, 37.9870, 65.4232



12.0154, 13.3499, 14.4374



17.6026, 29.5340, 23.3514



1.0166, 1.6643, 1.4759

Inverse Universe

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



31.0917, 19.1499, 16.5273



45.4852, 25.2285, 17.2856



31.8828, 23.2774, 8.9442



11.9390, 11.8603, 12.9545



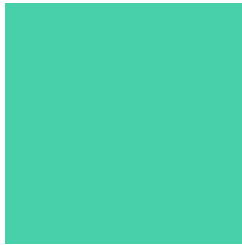
16.7014, 8.5534, 3.3338



0.9675, 0.4917, 0.3636

Previews

White Background



This preview shows how the XYZ color 32.5790, 49.4297, 46.3519 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 32.5790, 49.4297, 46.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

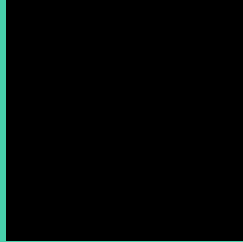
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

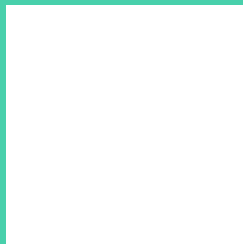
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5790, 49.4297, 46.3519

Background



This preview shows how black text looks on a background with the XYZ color 32.5790, 49.4297, 46.3519.

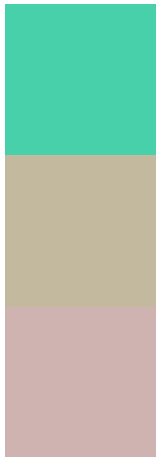


This preview shows how white text looks on a background with the XYZ color 32.5790, 49.4297,

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

32.5790, 49.4297, 46.3519

Protanopia

45.8551, 48.6705, 39.7784

Deuteranopia

49.5095, 48.5363, 48.3540



Tritanopia

38.0898, 49.5272, 73.8818

Trichromacy



Original Color

32.5790, 49.4297, 46.3519



Protanomaly

38.2585, 47.2683, 41.7576



Deuteranomaly

40.0559, 47.0902, 47.5356



Tritanomaly

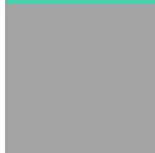
35.7916, 49.2876, 62.8854

Monochromacy



Original Color

32.5790, 49.4297, 46.3519



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.2090, 39.7392, 42.0492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5790, 49.4297, 46.3519 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(72, 208, 171)` looks like.

```
.text, #text, p{  
    color:rgb(72, 208, 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(72, 208, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 208, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.5790, 49.4297, 46.3519 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(72, 208, 171) }
```


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

```
.border{ border-color:rgb(72, 208, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 208, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 208, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 208, 171);  
box-shadow:4px 4px 4px 4px rgb(72, 208,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5790, 49.4297, 46.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 208, 171) }
```

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

```
.background{ background-color: rgb(72, 208,  
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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