

Converting Colors

XYZ(32.7241, 50.0275, 47.2739)

Have a look what the booklet for
XYZ(32.7241, 50.0275, 47.2739)
contains.

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Color

**XYZ(32.6580, 49.8114,
47.4285)**

Conversions

Conversions Part 1

Format	Color
Hex	43D1AD
RGB	67, 209, 173
RGB Percent	26%, 82%, 68%
CMY	0.7372, 0.1804, 0.3216
CMYK	0.68, 0.00, 0.17, 0.18
HSL	165°, 61%, 54%
HSV	165°, 68%, 82%
XYZ	32.6580, 49.8114, 47.4285
YIQ	162.4380, -73.0760, -41.3000

Conversions

Conversions Part 2

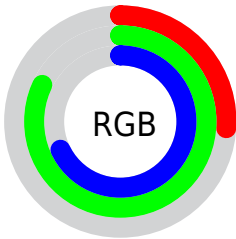
Format	Color
RYB	67, 148, 209
Decimal	4444589
CIELab	75.95, -46.15, 6.93
CIELCh	76, 46.665, 171.457
Yxy	49.8114, 0.2514, 0.3835
Android (android.graphics.Color)	4282634669 (0xFF43D1AD)
YUV	162.4380, 5.2071, -83.6991
Hunter-Lab	70.5772, -40.9132, 9.5606

Details

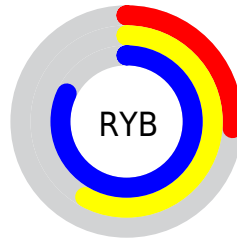
The XYZ color **32.6580, 49.8114, 47.4285** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **30.7514, 18.5501, 14.7934**, and the grayscale version is **34.5503, 36.3496, 39.5847**.

A 20% lighter version of the original color is **59.2793, 82.0270, 86.1072**, and **15.0068, 24.4917, 22.0256** is the 20% darker color. If you saturate the color by 10%, you get **30.9730, 49.0021, 44.7267**, and if you desaturate by 10%, it is **34.8830, 50.8992, 50.2640**.

Distribution



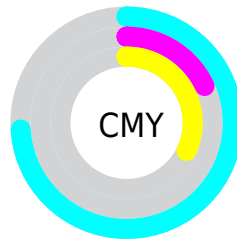
- Red (26%)
- Green (82%)
- Blue (68%)



- Red (26%)
- Yellow (58%)
- Blue (82%)



- Cyan (68%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (74%)
- Magenta (18%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6580, 49.8114, 47.4285 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 32.6580, 49.8114, 47.4285 by changing the saturation by 10% instead.


 32.6580, 49.8114,
47.4285


 32.6580, 49.8114,
47.4285


305.7981,
385.9279, 392.9655


 22.0226, 35.2636,
33.0178


 63.1995, 89.8954,
87.7096


 13.9902, 23.8660,
21.8688


 83.8362, 116.2003,
114.4169

 8.1955, 15.2342,
13.5631


 108.5374,
147.1931, 146.0603

 4.2731, 8.9839,
7.6822

 137.6685,
183.2580, 183.0582

 1.8578, 4.7307,
3.8074

171.5947,
224.7796, 225.8291

 0.5521, 2.0901,
1.5203

210.6815,

 0.0000, 0.6591,

272.1422, 274.7916

0.2330

255.2942,
325.7302, 330.3642

■ 0.0000, 0.0000,
0.0000

■ 32.6580, 49.8114,
47.4285

■ 32.6580, 49.8114,
47.4285

■ 30.9730, 49.0021,
44.7267

■ 34.8830, 50.8992,
50.2640

■ 29.7648, 48.4350,
42.1510

■ 37.6939, 52.2855,
53.2332

■ 28.9500, 48.0684,
39.6975

■ 41.1365, 53.9950,
56.3404

■ 28.8033, 48.0035,
39.2061

■ 45.2506, 56.0483,
59.5889

■ 50.0730, 58.4642,
62.9813

■ 55.6375, 61.2602,
66.5204

■ 61.9757, 64.4526,
70.2088

■ 69.1175, 68.0568,
74.0489

■ 77.0516, 72.0668,
78.0413

Harmonies

Analogous

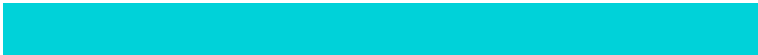
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.4324, 49.8114, 29.5333



32.6580, 49.8114, 47.4285



33.4239, 49.8114, 73.7094

Triad

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



32.6580, 49.8114, 47.4285



53.7287, 49.8114, 112.1338



58.5471, 49.8114, 24.7396

Complementary

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



32.6580, 49.8114, 47.4285



30.7514, 18.5501, 14.7934

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.



64.6753, 49.8114, 38.5356



32.6580, 49.8114, 47.4285



61.6650, 49.8114, 89.8850

Square

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



32.6580, 49.8114, 47.4285



44.9034, 49.8114, 116.7197



65.8813, 49.8114, 61.6659



49.8720, 49.8114, 19.3236

Rectangle

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



32.6580, 49.8114, 47.4285



35.8849, 49.8114, 92.5237



65.8813, 49.8114, 61.6659



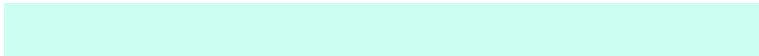
61.0152, 49.8114, 28.3063

Sweetspot

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



32.6594, 49.8133, 47.4297



76.6993, 90.7724, 97.5376



29.6251, 49.0034, 13.2081



15.9477, 19.1939, 20.5515



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.



32.6594, 49.8133, 47.4297



47.5412, 76.3621, 68.1019



29.3241, 36.7970, 65.8809



12.0250, 13.3537, 14.4879



17.8001, 29.6130, 24.3914



1.0262, 1.6682, 1.5269

Inverse Universe

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



30.7514, 18.5501, 14.7934



44.4611, 24.1054, 14.0924



31.8791, 23.1019, 8.0898



11.9300, 11.8567, 12.9070



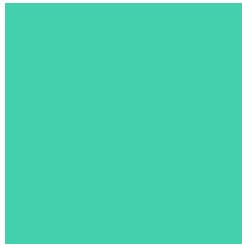
16.6424, 8.5298, 3.0232



0.9632, 0.4900, 0.3409

Previews

White Background



This preview shows how the XYZ color 32.6580, 49.8114, 47.4285 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 32.6580, 49.8114, 47.4285 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

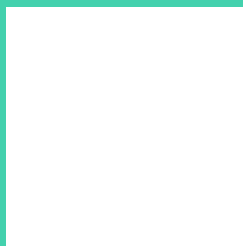
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6580, 49.8114, 47.4285

Background



This preview shows how black text looks on a background with the XYZ color 32.6580, 49.8114, 47.4285.

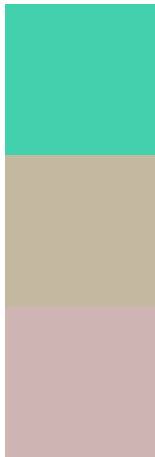


This preview shows how white text looks on a background with the XYZ color 32.6580, 49.8114,

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

32.6580, 49.8114, 47.4285

Protanopia

46.2877, 48.8732, 40.7121

Deuteranopia

49.9115, 49.0190, 49.4788



Tritanopia

38.1666, 49.9011, 74.6381

Trichromacy



Original Color

32.6580, 49.8114, 47.4285



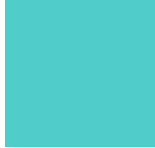
Protanomaly

38.2961, 47.5961, 42.7659



Deuteranomaly

40.0842, 47.4045, 48.6323



Tritanomaly

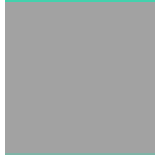
35.8003, 49.6324, 63.5703

Monochromacy



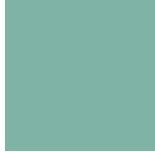
Original Color

32.6580, 49.8114, 47.4285



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.7554, 39.5054, 42.0280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6580, 49.8114, 47.4285 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(67, 209, 173)` looks like.

```
.text, #text, p{  
    color:rgb(67, 209, 173)  
}
```

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(67, 209, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 209, 173) }
```

Border

The CSS property to change the border of an element to XYZ 32.6580, 49.8114, 47.4285 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(67, 209, 173) }
```


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

```
.border{ border-color:rgb(67, 209, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 209, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 209, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 209, 173);  
box-shadow:4px 4px 4px 4px rgb(67, 209,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6580, 49.8114, 47.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 209, 173) }
```

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

```
.background{ background-color: rgb(67, 209,  
173) }
```

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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