

Converting Colors

XYZ(32.3987, 48.9375, 39.6410)

Have a look what the booklet for
XYZ(32.3987, 48.9375, 39.6410)
contains.

XYZ(32.2769, 48.7008, 39.5973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2769, 48.7008,
39.5973)**

Conversions

Conversions Part 1

Format	Color
Hex	59CE9D
RGB	89, 206, 157
RGB Percent	35%, 81%, 62%
CMY	0.6510, 0.1921, 0.3843
CMYK	0.57, 0.00, 0.24, 0.19
HSL	155°, 54%, 58%
HSV	155°, 57%, 81%
XYZ	32.2769, 48.7008, 39.5973
YIQ	165.4310, -54.0030, -40.0430

Conversions

Conversions Part 2

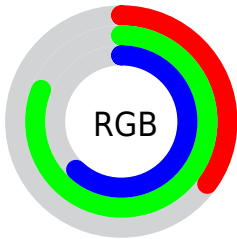
Format	Color
RYB	89, 163, 206
Decimal	5885597
CIELab	75.26, -44.55, 14.60
CIElCh	75, 46.877, 161.859
Yxy	48.7008, 0.2677, 0.4039
Android (android.graphics.Color)	4284075677 (0xFF59CE9D)
YUV	165.4310, -4.1565, -67.0300
Hunter-Lab	69.7860, -39.5669, 15.2084

Details

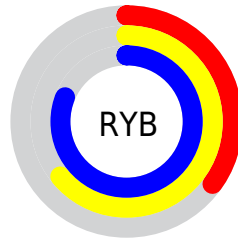
The XYZ color **32.2769, 48.7008, 39.5973** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **33.6150, 22.1026, 26.5409**, and the grayscale version is **36.0102, 37.8856, 41.2574**.

A 20% lighter version of the original color is **59.8564, 82.5694, 75.0701**, and **13.8197, 23.2520, 17.3954** is the 20% darker color. If you saturate the color by 10%, you get **29.8592, 47.5378, 35.7744**, and if you desaturate by 10%, it is **35.3023, 50.1736, 43.7223**.

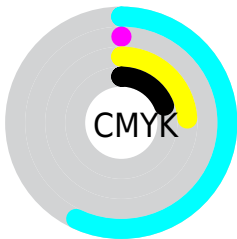
Distribution



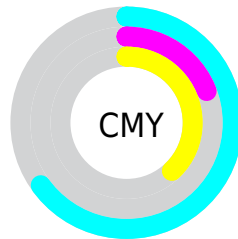
- Red (35%)
- Green (81%)
- Blue (62%)



- Red (35%)
- Yellow (64%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)





- Cyan (65%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2769, 48.7008, 39.5973 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 32.2769, 48.7008, 39.5973 by changing the saturation by 10% instead.


 32.2769, 48.7008,
39.5973


 32.2769, 48.7008,
39.5973


304.1016,
381.5632, 359.9248


 21.7297, 34.3822,
26.9133


 62.6072, 88.2469,
75.7803


 13.7739, 23.1874,
17.2763


 83.1210, 114.2432,
100.1163

 8.0442, 14.7319,
10.2676

 107.6876,
144.9009, 129.1735

 4.1753, 8.6315,
5.4688

 136.6725,
180.6043, 163.3703

 1.8018, 4.5016,
2.4614

170.4410,
221.7378, 203.1253

 0.5187, 1.9579,
0.8196

209.3584,

 0.0000, 0.5828,

268.6859, 248.8570

0.0000

253.7902,
321.8329, 300.9840

■ 0.0000, 0.0000,
0.0000

■ 32.2769, 48.7008,
39.5973

■ 32.2769, 48.7008,
39.5973

■ 29.8592, 47.5378,
35.7744

■ 35.3023, 50.1736,
43.7223

■ 27.9967, 46.6539,
32.2425

■ 38.9744, 51.9724,
48.1535

■ 26.6343, 46.0221,
28.9943

■ 43.3335, 54.1190,
52.8991

■ 25.6982, 45.6043,
26.0203

■ 48.4154, 56.6320,
57.9659

■ 25.4458, 45.4938,
25.1224

■ 54.2533, 59.5281,
63.3604

■ 60.8782, 62.8235,
69.0888

■ 68.3194, 66.5330,
75.1574

■ 76.6048, 70.6708,
81.5720

■ 78.2573, 71.3824,
87.9872

Harmonies

Analogous

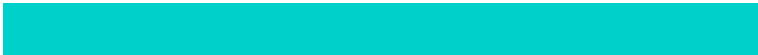
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1011, 48.7008, 24.9823



32.2769, 48.7008, 39.5973



31.9092, 48.7008, 63.3742

Triad

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



32.2769, 48.7008, 39.5973



49.7732, 48.7008, 114.2437



59.7396, 48.7008, 27.2727

Complementary

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



32.2769, 48.7008, 39.5973



33.6150, 22.1026, 26.5409

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.



64.4454, 48.7008, 43.8720



32.2769, 48.7008, 39.5973



58.2323, 48.7008, 96.7350

Square

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



32.2769, 48.7008, 39.5973



41.3251, 48.7008, 112.0158



63.8619, 48.7008, 69.1940



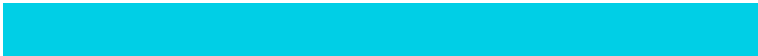
51.6346, 48.7008, 19.5375

Rectangle

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



32.2769, 48.7008, 39.5973



33.6082, 48.7008, 82.1811



63.8619, 48.7008, 69.1940



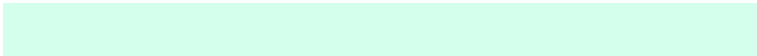
61.8141, 48.7008, 31.7395

Sweetspot

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



32.2782, 48.7028, 39.5984



78.0739, 91.5704, 93.5615



34.6407, 50.4154, 17.3571



16.3339, 19.4131, 19.6605



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.



32.2782, 48.7028, 39.5984



47.6876, 76.6890, 56.7498



35.5017, 47.0617, 65.6076



11.3368, 12.6445, 13.3312



15.7174, 28.0323, 15.7289



0.8482, 1.4611, 1.0081

Inverse Universe

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



33.6150, 22.1026, 26.5409



50.0785, 29.5750, 33.7382



31.5144, 22.3566, 12.1060



11.4040, 11.2903, 12.6619



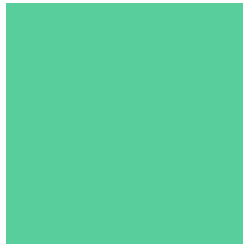
16.7607, 8.5149, 6.4587



0.9023, 0.4543, 0.5311

Previews

White Background



This preview shows how the XYZ color 32.2769, 48.7008, 39.5973 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 32.2769, 48.7008, 39.5973 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

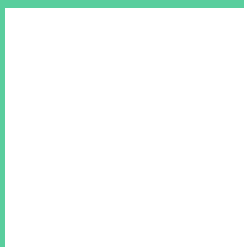
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2769, 48.7008, 39.5973

Background



This preview shows how black text looks on a background with the XYZ color 32.2769, 48.7008, 39.5973.



This preview shows how white text looks on a background with the XYZ color 32.2769, 48.7008,

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

32.2769, 48.7008, 39.5973

Protanopia

45.0937, 48.0921, 34.1001

Deuteranopia

48.6275, 47.6439, 41.2836



Tritanopia

38.3951, 48.3690, 70.9308

Trichromacy



Original Color

32.2769, 48.7008, 39.5973



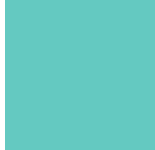
Protanomaly

38.2593, 47.0694, 35.9230



Deuteranomaly

39.9333, 46.5390, 40.5964



Tritanomaly

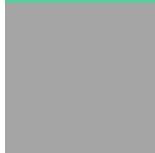
35.7678, 48.3329, 57.8961

Monochromacy



Original Color

32.2769, 48.7008, 39.5973



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1594, 40.5695, 40.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2769, 48.7008, 39.5973 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(89, 206, 157)` looks like.

```
.text, #text, p{  
    color:rgb(89, 206, 157)  
}
```

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(89, 206, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 206, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.2769, 48.7008, 39.5973 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(89, 206, 157) }
```


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

```
.border{ border-color:rgb(89, 206, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 206, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 206, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 206, 157);  
box-shadow:4px 4px 4px 4px rgb(89, 206,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2769, 48.7008, 39.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 206, 157) }
```

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

```
.background{ background-color: rgb(89, 206,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor