

Converting Colors

XYZ(32.4818, 51.3662, 49.3447)

Have a look what the booklet for
XYZ(32.4818, 51.3662, 49.3447)
contains.

XYZ(32.5762, 51.5850, 49.3143)	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(32.5762, 51.5850,
49.3143)**

Conversions

Conversions Part 1

Format	Color
Hex	23D6B0
RGB	35, 214, 176
RGB Percent	14%, 84%, 69%
CMY	0.8627, 0.1608, 0.3098
CMYK	0.84, 0.00, 0.18, 0.16
HSL	167°, 72%, 49%
HSV	167°, 84%, 84%
XYZ	32.5762, 51.5850, 49.3143
YIQ	156.1470, -94.4860, -49.7660

Conversions

Conversions Part 2

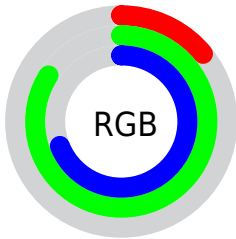
Format	Color
RYB	35, 135, 214
Decimal	2348720
CIELab	77.03, -51.09, 6.81
CIELCh	77, 51.541, 172.409
Yxy	51.5850, 0.2441, 0.3865
Android (android.graphics.Color)	4280538800 (0xFF23D6B0)
YUV	156.1470, 9.7875, -106.2459
Hunter-Lab	71.8227, -44.7285, 9.5667

Details

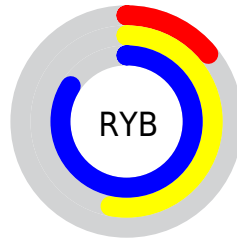
The XYZ color **32.5762, 51.5850, 49.3143** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.5370, 15.9807, 7.8338**, and the grayscale version is **31.6558, 33.3044, 36.2685**.

A 20% lighter version of the original color is **57.3957, 80.9910, 88.9517**, and **15.8650, 25.9090, 23.2335** is the 20% darker color. If you saturate the color by 10%, you get **31.6170, 51.1429, 46.9627**, and if you desaturate by 10%, it is **33.9954, 52.2651, 51.7683**.

Distribution



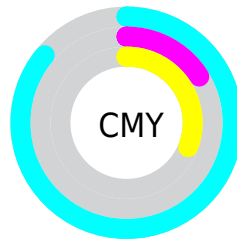
- Red (14%)
- Green (84%)
- Blue (69%)



- Red (14%)
- Yellow (53%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)





- Cyan (86%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5762, 51.5850, 49.3143 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 32.5762, 51.5850, 49.3143 by changing the saturation by 10% instead.


 32.5762, 51.5850,
49.3143


 32.5762, 51.5850,
49.3143


305.4346,
392.8324, 400.6363


 21.9597, 36.6744,
34.5015


 63.0724, 92.5189,
90.5439


 13.9437, 24.9555,
22.9987


 83.6828, 119.3110,
117.7978


 8.1630, 16.0439,
14.3872

 108.3552,
150.8324, 150.0358

 4.2521, 9.5552,
8.2487

 137.4550,
187.4675, 187.6764

 1.8457, 5.1051,
4.1644

 171.3474,
229.6006, 231.1383

 0.5450, 2.3090,
1.7160

210.3979,

 0.0000, 0.7785,

277.6162, 280.8398

0.3716

254.9719,
331.8987, 337.1997

■ 0.0000, 0.0000,
0.0000

■ 32.5762, 51.5850,
49.3143

■ 32.5762, 51.5850,
49.3143

■ 31.6170, 51.1429,
46.9627

■ 33.9954, 52.2651,
51.7683

■ 31.1683, 50.9431,
45.5141

■ 35.9404, 53.2132,
54.3251

■ 38.4706, 54.4612,
56.9892

■ 41.6361, 56.0349,
59.7639

■ 45.4816, 57.9574,
62.6520

■ 50.0478, 60.2496,
65.6559

■ 55.3719, 62.9307,
68.7782

■ 61.4889, 66.0187,
72.0211

■ 68.4313, 69.5303,
75.3870

Harmonies

Analogous

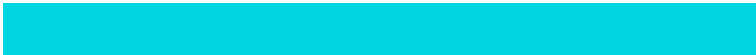
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5233, 51.5850, 29.1895



32.5762, 51.5850, 49.3143



33.5466, 51.5850, 79.4398

Triad

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



32.5762, 51.5850, 49.3143



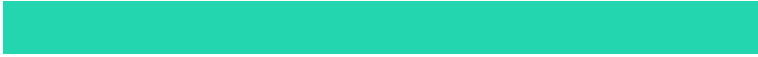
56.5961, 51.5850, 122.5649



61.4906, 51.5850, 23.2607

Complementary

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



32.5762, 51.5850, 49.3143



29.5370, 15.9807, 7.8338

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.



68.6670, 51.5850, 37.9516



32.5762, 51.5850, 49.3143



65.5881, 51.5850, 96.0935

Square

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



32.5762, 51.5850, 49.3143



46.5748, 51.5850, 128.7465



70.2589, 51.5850, 63.6275



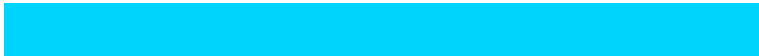
51.5700, 51.5850, 17.7770

Rectangle

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



32.5762, 51.5850, 49.3143



36.3539, 51.5850, 101.1684



70.2589, 51.5850, 63.6275



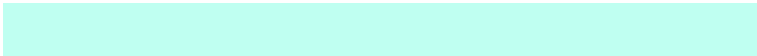
64.3555, 51.5850, 26.9930

Sweetspot

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



32.5776, 51.5870, 49.3155



73.2556, 89.0075, 96.9031



27.1592, 49.6639, 9.7458



15.1506, 18.7855, 20.3998



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.



32.5776, 51.5870, 49.3155



46.2862, 75.7305, 67.3504



25.9803, 31.5101, 68.3332



12.6740, 14.0606, 15.3638



18.8780, 30.8066, 27.7170



1.1675, 1.8697, 1.8238

Inverse Universe

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



29.5370, 15.9807, 7.8338



41.9091, 21.5277, 5.4536



31.3421, 21.0302, 3.9985



12.5301, 12.4635, 13.4656



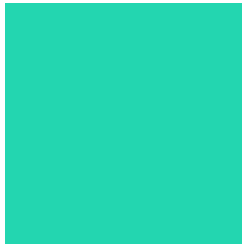
17.0846, 8.7701, 2.4834



1.0614, 0.5414, 0.3128

Previews

White Background



This preview shows how the XYZ color 32.5762, 51.5850, 49.3143 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 32.5762, 51.5850, 49.3143 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

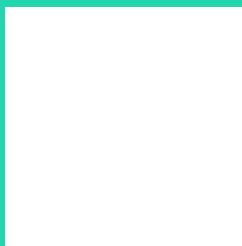
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5762, 51.5850, 49.3143

Background



This preview shows how black text looks on a background with the XYZ color 32.5762, 51.5850, 49.3143.

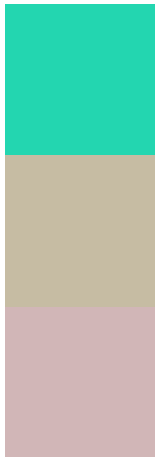


This preview shows how white text looks on a background with the XYZ color 32.5762, 51.5850,

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

32.5762, 51.5850, 49.3143

Protanopia

47.8828, 50.6165, 41.8966

Deuteranopia

51.5697, 50.4301, 51.8157



Tritanopia

38.2932, 51.3096, 78.4065

Trichromacy



Original Color

32.5762, 51.5850, 49.3143



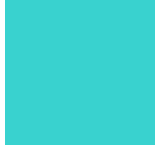
Protanomaly

37.6816, 48.2486, 44.3727



Deuteranomaly

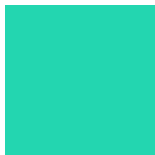
39.3841, 47.9899, 50.3672



Tritanomaly

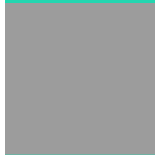
35.9964, 51.4680, 67.0686

Monochromacy



Original Color

32.5762, 51.5850, 49.3143



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.0151, 37.5334, 40.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5762, 51.5850, 49.3143 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(35, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(35, 214, 176)  
}
```

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(35, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 214, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.5762, 51.5850, 49.3143 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(35, 214, 176) }
```


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

```
.border{ border-color:rgb(35, 214, 176) }
```

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

Here you see how a box with a 4 pixel rgb(35, 214, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(35, 214,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5762, 51.5850, 49.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 214, 176) }
```

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

```
.background{ background-color: rgb(35, 214,  
176) }
```

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