

Converting Colors

XYZ(32.2070, 51.5545, 45.5531)

Have a look what the booklet for
XYZ(32.2070, 51.5545, 45.5531)
contains.

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Color

**XYZ(32.2043, 51.4713,
45.7737)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD6A9
RGB	43, 214, 169
RGB Percent	17%, 84%, 66%
CMY	0.8313, 0.1608, 0.3372
CMYK	0.80, 0.00, 0.21, 0.16
HSL	164°, 68%, 50%
HSV	164°, 80%, 84%
XYZ	32.2043, 51.4713, 45.7737
YIQ	157.7410, -87.4710, -50.2470

Conversions

Conversions Part 2

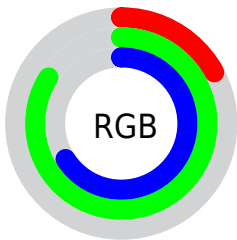
Format	Color
R_{YB}	43, 141, 214
Decimal	2873001
CIE _{Lab}	76.96, -52.13, 10.46
CIE _{LCh}	77, 53.170, 168.657
Yxy	51.4713, 0.2488, 0.3976
Android (android.graphics.Color)	4281063081 (0xFF2BD6A9)
YUV	157.7410, 5.5507, -100.6279
Hunter-Lab	71.7435, -45.4259, 12.3923

Details

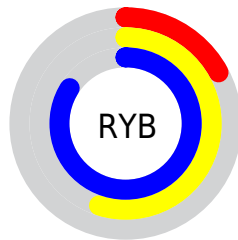
The XYZ color **32.2043, 51.4713, 45.7737** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.3587, 16.7299, 10.8642**, and the grayscale version is **32.3881, 34.0748, 37.1075**.

A 20% lighter version of the original color is **56.6858, 80.7534, 83.1203**, and **15.4377, 25.7381, 20.9839** is the 20% darker color. If you saturate the color by 10%, you get **31.0138, 50.9186, 43.0179**, and if you desaturate by 10%, it is **33.8905, 52.2794, 48.6739**.

Distribution



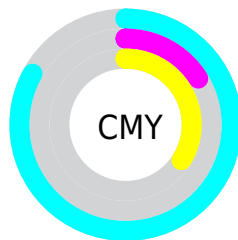
- Red (17%)
- Green (84%)
- Blue (66%)



- Red (17%)
- Yellow (55%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)





- Cyan (83%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2043, 51.4713, 45.7737 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 32.2043, 51.4713, 45.7737 by changing the saturation by 10% instead.

 32.2043, 51.4713,
45.7737


 32.2043, 51.4713,
45.7737


303.7776,
392.3921, 386.1492


 21.6739, 36.5838,
31.7199


 62.4943, 92.3511,
85.2109

 13.7327, 24.8854,
20.8846


 82.9845, 119.1121,
111.4314


 8.0155, 15.9917,
12.8493


 107.5255,
150.5999, 142.5446

 4.1567, 9.5183,
7.1953

 136.4824,
187.1986, 178.9690

 1.7912, 5.0808,
3.5043

 170.2208,
229.2928, 221.1231

 0.5124, 2.2947,
1.3575

209.1059,

 0.0000, 0.7709,

277.2669, 269.4255

0.1082

253.5030,
331.5052, 324.2947

■ 0.0000, 0.0000,
0.0000

■ 32.2043, 51.4713,
45.7737

■ 32.2043, 51.4713,
45.7737

■ 31.0138, 50.9186,
43.0179

■ 33.8905, 52.2794,
48.6739

■ 30.1990, 50.5558,
40.3960

■ 36.1331, 53.3705,
51.7193

■ 30.1917, 50.5526,
40.3710

■ 38.9884, 54.7746,
54.9152

■ 42.5042, 56.5166,
58.2652

■ 46.7240, 58.6187,
61.7728

■ 51.6870, 61.1012,
65.4410

■ 57.4297, 63.9828,
69.2730

■ 63.9863, 67.2811,
73.2717

■ 71.3886, 71.0125,
77.4398

Harmonies

Analogous

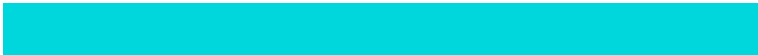
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.7094, 51.4713, 26.6848



32.2043, 51.4713, 45.7737



32.6933, 51.4713, 75.8454

Triad

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



32.2043, 51.4713, 45.7737



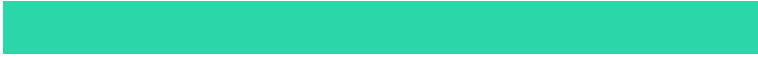
55.4199, 51.4713, 127.2341



62.9467, 51.4713, 23.7335

Complementary

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



32.2043, 51.4713, 45.7737



30.3587, 16.7299, 10.8642

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.



69.7899, 51.4713, 40.0282



32.2043, 51.4713, 45.7737



65.0475, 51.4713, 101.5485

Square

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



32.2043, 51.4713, 45.7737



45.1906, 51.4713, 130.4412



70.6078, 51.4713, 67.7448



52.8532, 51.4713, 17.2172

Rectangle

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



32.2043, 51.4713, 45.7737



35.2356, 51.4713, 98.6000



70.6078, 51.4713, 67.7448



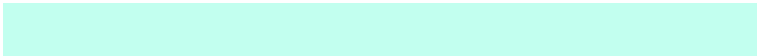
65.7598, 51.4713, 27.9251

Sweetspot

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



32.2057, 51.4733, 45.7749



73.5211, 89.1886, 94.9190



28.5660, 50.3739, 10.5040



15.1781, 18.8108, 19.8985



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.



32.2057, 51.4733, 45.7749



45.2448, 75.3287, 61.2000



28.2911, 35.6817, 69.0168



12.6461, 14.0495, 15.2171



18.2931, 30.5726, 24.6371



1.1366, 1.8573, 1.6609

Inverse Universe

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



30.3587, 16.7299, 10.8642



42.6079, 21.9843, 8.5874



31.2551, 20.6437, 4.6238



12.5561, 12.4739, 13.6027



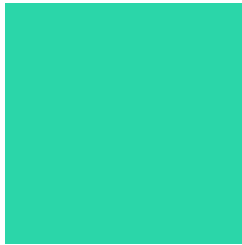
17.2349, 8.8303, 3.2750



1.0738, 0.5463, 0.3780

Previews

White Background



This preview shows how the XYZ color 32.2043, 51.4713, 45.7737 looks on a white background.

Color Contrast Check

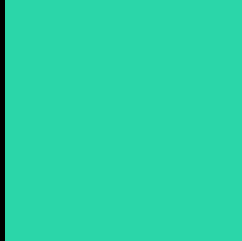
Large Text (above 18pt) WCAG AA × Fail

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 32.2043, 51.4713, 45.7737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

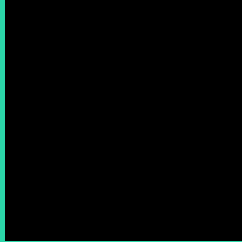
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

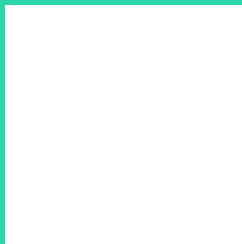
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2043, 51.4713, 45.7737

Background



This preview shows how black text looks on a background with the XYZ color 32.2043, 51.4713, 45.7737.

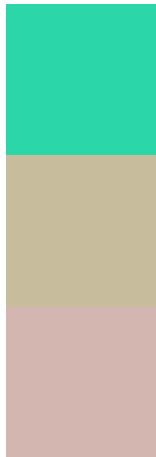


This preview shows how white text looks on a background with the XYZ color 32.2043, 51.4713,

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

32.2043, 51.4713, 45.7737

Protanopia

47.5372, 50.5089, 38.6962

Deuteranopia

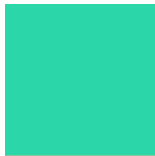
51.4284, 50.4394, 48.0995



Tritanopia

38.6126, 51.4899, 77.7155

Trichromacy



Original Color

32.2043, 51.4713, 45.7737



Protanomaly

37.5546, 48.2565, 41.0533



Deuteranomaly

39.4123, 48.0847, 46.7392



Tritanomaly

35.9404, 51.4950, 64.5452

Monochromacy



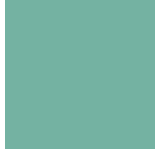
Original Color

32.2043, 51.4713, 45.7737



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.6444, 38.1624, 39.9861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2043, 51.4713, 45.7737 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(43, 214, 169)` looks like.

```
.text, #text, p{  
    color:rgb(43, 214, 169)  
}
```

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(43, 214, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 214, 169) }
```

Border

The CSS property to change the border of an element to XYZ 32.2043, 51.4713, 45.7737 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(43, 214, 169) }
```


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

```
.border{ border-color:rgb(43, 214, 169) }
```

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

Here you see how a box with a 4 pixel rgb(43, 214, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 214, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 214, 169);  
box-shadow:4px 4px 4px 4px rgb(43, 214,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2043, 51.4713, 45.7737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 214, 169) }
```

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

```
.background{ background-color: rgb(43, 214,  
169) }
```

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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