

Converting Colors

XYZ(32.1217, 53.2862, 40.8756)

Have a look what the booklet for
XYZ(32.1217, 53.2862, 40.8756)
contains.

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Color

**XYZ(32.2306, 53.5067,
40.9769)**

Conversions

Conversions Part 1

Format	Color
Hex	24DB9E
RGB	36, 219, 158
RGB Percent	14%, 86%, 62%
CMY	0.8588, 0.1412, 0.3804
CMYK	0.84, 0.00, 0.28, 0.14
HSL	160°, 72%, 50%
HSV	160°, 84%, 86%
XYZ	32.2306, 53.5067, 40.9769
YIQ	157.3290, -89.4870, -57.7670

Conversions

Conversions Part 2

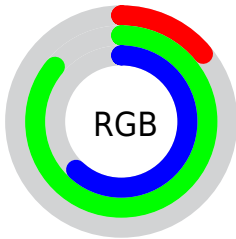
Format	Color
RYB	36, 146, 219
Decimal	2415518
CIELab	78.17, -57.25, 17.97
CIELCh	78, 60.004, 162.573
Yxy	53.5067, 0.2544, 0.4223
Android (android.graphics.Color)	4280605598 (0xFF24DB9E)
YUV	157.3290, 0.3308, -106.4055
Hunter-Lab	73.1483, -49.3588, 17.9902

Details

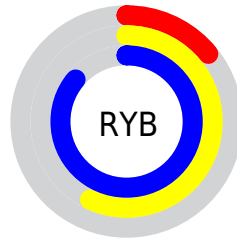
The XYZ color **32.2306, 53.5067, 40.9769** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.0037, 17.1861, 12.9421**, and the grayscale version is **32.2253, 33.9035, 36.9209**.

A 20% lighter version of the original color is **54.8405, 79.9689, 75.4959**, and **15.6987, 27.2350, 18.0651** is the 20% darker color. If you saturate the color by 10%, you get **31.0769, 52.9838, 37.7403**, and if you desaturate by 10%, it is **33.8912, 54.2893, 44.4345**.

Distribution



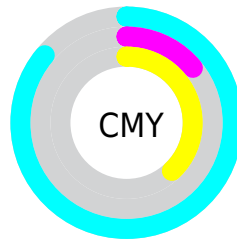
- Red (14%)
- Green (86%)
- Blue (62%)



- Red (14%)
- Yellow (57%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (28%)
- Black (14%)





- Cyan (86%)
- Magenta (14%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2306, 53.5067, 40.9769 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 32.2306, 53.5067, 40.9769 by changing the saturation by 10% instead.

 32.2306, 53.5067,
40.9769


 32.2306, 53.5067,
40.9769


303.8950,
400.2261, 365.8978


 21.6941, 38.2074,
27.9815


 62.5352, 95.3496,
77.9021


 13.7476, 26.1437,
18.0728


 83.0340, 122.6619,
102.6690


 8.0259, 16.9312,
10.8323


 107.5842,
154.7474, 132.1967

 4.1635, 10.1854,
5.8414

 136.5513,
191.9905, 166.9039

 1.7950, 5.5221,
2.6817

 170.3006,
234.7755, 207.2091

 0.5147, 2.5567,
0.9342

209.1974,

 0.0000, 0.9050,

283.4868, 253.5308

0.0000

253.6071,
338.5089, 306.2875

■ 0.0000, 0.0000,
0.0000

■ 32.2306, 53.5067,
40.9769

■ 32.2306, 53.5067,
40.9769

■ 31.0769, 52.9838,
37.7403

■ 33.8912, 54.2893,
44.4345

■ 30.5207, 52.7402,
35.7649

■ 36.1291, 55.3639,
48.1162

■ 39.0075, 56.7641,
52.0292

■ 42.5798, 58.5176,
56.1792

■ 46.8940, 60.6488,
60.5714

■ 51.9933, 63.1802,
65.2108

■ 57.9176, 66.1322,
70.1023

■ 64.7042, 69.5239,
75.2504

■ 72.3879, 73.3732,
80.6597

Harmonies

Analogous

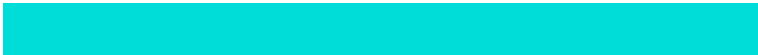
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0736, 53.5067, 22.4642



32.2306, 53.5067, 40.9769



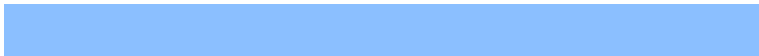
31.8671, 53.5067, 73.4810

Triad

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



32.2306, 53.5067, 40.9769



55.9255, 53.5067, 146.7753



69.3390, 53.5067, 24.5768

Complementary

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



32.2306, 53.5067, 40.9769



32.0037, 17.1861, 12.9421

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.



76.1978, 53.5067, 45.3005



32.2306, 53.5067, 40.9769



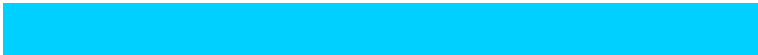
67.6911, 53.5067, 119.9456

Square

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



32.2306, 53.5067, 40.9769



44.3965, 53.5067, 144.1689



75.5522, 53.5067, 79.8248



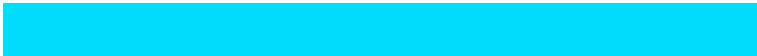
57.9147, 53.5067, 15.8087

Rectangle

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



32.2306, 53.5067, 40.9769



34.1199, 53.5067, 100.4108



75.5522, 53.5067, 79.8248



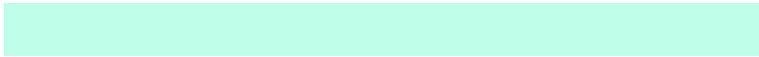
72.3284, 53.5067, 29.9456

Sweetspot

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



32.2320, 53.5088, 40.9781



72.1240, 88.5549, 90.9444



30.9128, 53.5049, 10.3679



14.8781, 18.6765, 18.9649



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.



32.2320, 53.5088, 40.9781



43.0153, 74.4221, 50.1259



32.2664, 42.9937, 73.6183



13.2507, 14.7519, 15.7833



18.1494, 31.2924, 21.4839



1.2152, 2.0430, 1.5991

Inverse Universe

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



32.0037, 17.1861, 12.9421



42.8799, 21.9159, 10.5654



31.3360, 18.7940, 3.6457



13.2342, 13.1228, 14.4944



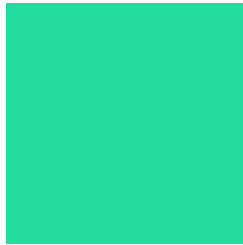
18.0809, 9.2334, 4.8060



1.2106, 0.6139, 0.5179

Previews

White Background



This preview shows how the XYZ color 32.2306, 53.5067, 40.9769 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 32.2306, 53.5067, 40.9769 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

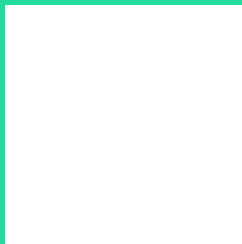
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2306, 53.5067, 40.9769

Background



This preview shows how black text looks on a background with the XYZ color 32.2306, 53.5067, 40.9769.

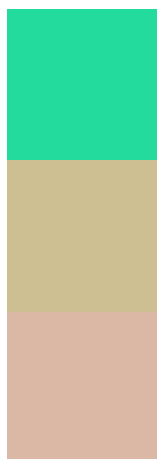


This preview shows how white text looks on a background with the XYZ color 32.2306, 53.5067,

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

32.2306, 53.5067, 40.9769

Protanopia

48.9185, 52.2851, 34.3018

Deuteranopia

53.2368, 52.0942, 43.3257



Tritanopia

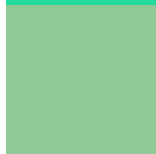
40.1362, 53.3015, 80.8459

Trichromacy



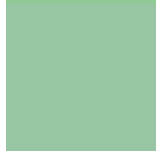
Original Color

32.2306, 53.5067, 40.9769



Protanomaly

37.8933, 49.9046, 36.4895



Deuteranomaly

39.5260, 49.2522, 42.0737



Tritanomaly

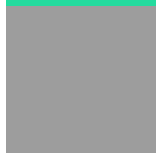
36.5048, 52.9095, 64.1657

Monochromacy



Original Color

32.2306, 53.5067, 40.9769



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.2171, 38.5875, 37.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2306, 53.5067, 40.9769 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(36, 219, 158)` looks like.

```
.text, #text, p{  
    color:rgb(36, 219, 158)  
}
```

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(36, 219, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 219, 158) }
```

Border

The CSS property to change the border of an element to XYZ 32.2306, 53.5067, 40.9769 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(36, 219, 158) }
```


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

```
.border{ border-color:rgb(36, 219, 158) }
```

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

Here you see how a box with a 4 pixel rgb(36, 219, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 219, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 219, 158);  
box-shadow:4px 4px 4px 4px rgb(36, 219,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2306, 53.5067, 40.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 219, 158) }
```

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

```
.background{ background-color: rgb(36, 219,  
158) }
```

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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