

Converting Colors

XYZ(33.3281, 53.4111, 45.9944)

Have a look what the booklet for
XYZ(33.3281, 53.4111, 45.9944)
contains.

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Color

**XYZ(33.4518, 53.6358,
46.1258)**

Conversions

Conversions Part 1

Format	Color
Hex	30DAA9
RGB	48, 218, 169
RGB Percent	19%, 85%, 66%
CMY	0.8117, 0.1451, 0.3372
CMYK	0.78, 0.00, 0.22, 0.15
HSL	163°, 70%, 52%
HSV	163°, 78%, 85%
XYZ	33.4518, 53.6358, 46.1258
YIQ	161.5840, -85.5910, -51.2790

Conversions

Conversions Part 2

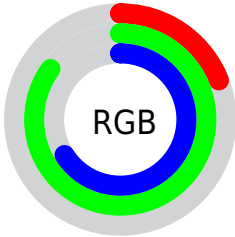
Format	Color
R_{YB}	48, 147, 218
Decimal	3201705
CIE _{Lab}	78.25, -53.23, 12.29
CIE _{LCh}	78, 54.628, 166.998
Yxy	53.6358, 0.2511, 0.4026
Android (android.graphics.Color)	4281391785 (0xFF30DAA9)
YUV	161.5840, 3.6561, -99.6132
Hunter-Lab	73.2365, -46.6314, 13.9235

Details

The XYZ color **33.4518, 53.6358, 46.1258** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.1299, 17.8838, 13.0702**, and the grayscale version is **34.1621, 35.9412, 39.1400**.

A 20% lighter version of the original color is **57.0997, 80.9668, 83.1397**, and **16.1312, 27.1250, 21.2151** is the 20% darker color. If you saturate the color by 10%, you get **32.0893, 53.0013, 43.0570**, and if you desaturate by 10%, it is **35.3503, 54.5461, 49.3701**.

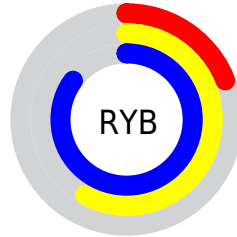
Distribution



Red (19%)

Green (85%)

Blue (66%)



Red (19%)

Yellow (58%)

Blue (85%)

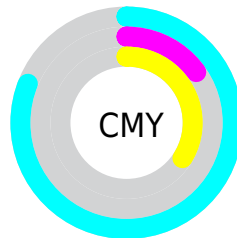


Cyan (78%)

Magenta (0%)

Yellow (22%)

Black (15%)



Cyan (81%)

Magenta (15%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4518, 53.6358, 46.1258 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 33.4518, 53.6358, 46.1258 by changing the saturation by 10% instead.


 33.4518, 53.6358,
46.1258


 33.4518, 53.6358,
46.1258


309.3098,
400.7197, 387.6064


 22.6337, 38.3106,
31.9957


 64.4302, 95.5393,
85.7435


 14.4424, 26.2238,
21.0934


 85.3212, 122.8863,
112.0682

 8.5128, 16.9912,
13.0004


 110.3006,
155.0094, 143.2949

 4.4793, 10.2282,
7.2981

 139.7336,
192.2930, 179.8420

 1.9767, 5.5505,
3.5680

 173.9857,
235.1214, 222.1282

 0.6208, 2.5737,
1.3915

213.4222,

 0.0000, 0.9135,

283.8791, 270.5720

0.1350

258.4084,
338.9504, 325.5919

■ 0.0000, 0.0000,
0.0000

■ 33.4518, 53.6358,
46.1258

■ 33.4518, 53.6358,
46.1258

■ 32.0893, 53.0013,
43.0570

■ 35.3503, 54.5461,
49.3701

■ 31.1651, 52.5881,
40.1534

■ 37.8461, 55.7595,
52.7913

■ 31.0025, 52.5167,
39.5851

■ 40.9965, 57.3071,
56.3951

■ 44.8509, 59.2142,
60.1858

■ 49.4537, 61.5037,
64.1675

■ 54.8455, 64.1964,
68.3437

■ 61.0642, 67.3119,
72.7183

■ 68.1449, 70.8682,
77.2945

■ 76.1209, 74.8824,
82.0757

Harmonies

Analogous

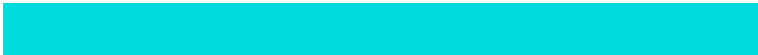
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3697, 53.6358, 26.7365



33.4518, 53.6358, 46.1258



33.7328, 53.6358, 77.3656

Triad

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



33.4518, 53.6358, 46.1258



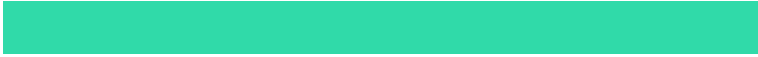
57.2306, 53.6358, 134.7738



66.3312, 53.6358, 25.0486

Complementary

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



33.4518, 53.6358, 46.1258



32.1299, 17.8838, 13.0702

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.



73.2838, 53.6358, 42.8191



33.4518, 53.6358, 46.1258



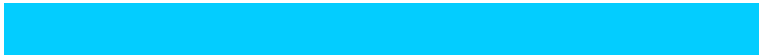
67.5468, 53.6358, 108.4845

Square

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



33.4518, 53.6358, 46.1258



46.4908, 53.6358, 136.6383



73.7575, 53.6358, 72.6793



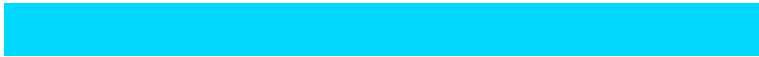
55.7477, 53.6358, 17.7576

Rectangle

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



33.4518, 53.6358, 46.1258



36.2552, 53.6358, 101.4980



73.7575, 53.6358, 72.6793



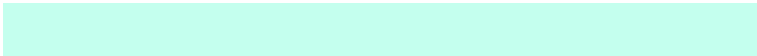
69.2311, 53.6358, 29.6434

Sweetspot

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



33.4533, 53.6379, 46.1271



74.0625, 89.4813, 94.3294



30.7523, 53.0112, 11.4086



15.2710, 18.8625, 19.7302



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.



33.4533, 53.6379, 46.1271



44.8148, 75.1653, 58.5482



31.0161, 39.9736, 72.4131



13.2765, 14.7622, 15.9191



18.6217, 31.4813, 23.9711



1.2430, 2.0541, 1.7456

Inverse Universe

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



32.1299, 17.8838, 13.0702



43.0308, 22.2565, 10.4966



32.4660, 21.1551, 5.1694



13.2096, 13.1129, 14.3651



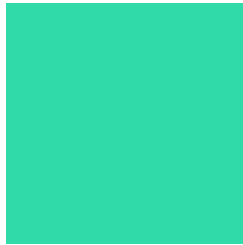
17.8975, 9.1601, 3.8405



1.1964, 0.6082, 0.4430

Previews

White Background



This preview shows how the XYZ color 33.4518, 53.6358, 46.1258 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 33.4518, 53.6358, 46.1258 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

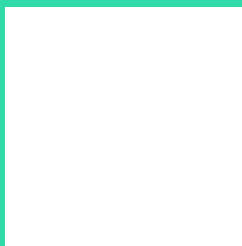
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4518, 53.6358, 46.1258

Background



This preview shows how black text looks on a background with the XYZ color 33.4518, 53.6358, 46.1258.

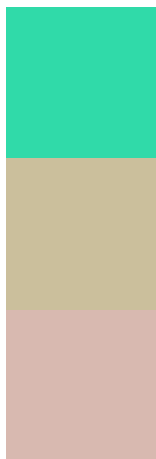


This preview shows how white text looks on a background with the XYZ color 33.4518, 53.6358,

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

33.4518, 53.6358, 46.1258

Protanopia

49.2602, 52.3584, 38.9624

Deuteranopia

53.5043, 52.4314, 48.3746



Tritanopia

40.3051, 53.3886, 80.8538

Trichromacy



Original Color

33.4518, 53.6358, 46.1258



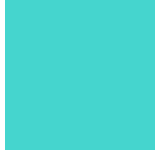
Protanomaly

39.3523, 50.5495, 41.4012



Deuteranomaly

41.0266, 49.9182, 47.0080



Tritanomaly

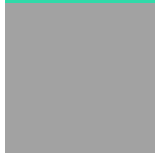
37.3891, 53.3099, 66.7118

Monochromacy



Original Color

33.4518, 53.6358, 46.1258



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.4046, 40.2375, 41.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4518, 53.6358, 46.1258 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(48, 218, 169)` looks like.

```
.text, #text, p{  
    color:rgb(48, 218, 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(48, 218, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 218, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.4518, 53.6358, 46.1258 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(48, 218, 169) }
```


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

```
.border{ border-color:rgb(48, 218, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 218, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 218, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 218, 169);  
box-shadow:4px 4px 4px 4px rgb(48, 218,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4518, 53.6358, 46.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 218, 169) }
```

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

```
.background{ background-color: rgb(48, 218,  
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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