

Converting Colors

XYZ(33.2123, 53.1495, 44.8784)

Have a look what the booklet for
XYZ(33.2123, 53.1495, 44.8784)
contains.

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Color

**XYZ(33.2561, 53.1726,
45.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	35D9A7
RGB	53, 217, 167
RGB Percent	21%, 85%, 65%
CMY	0.7921, 0.1490, 0.3451
CMYK	0.76, 0.00, 0.23, 0.15
HSL	162°, 68%, 53%
HSV	162°, 76%, 85%
XYZ	33.2561, 53.1726, 45.0698
YIQ	162.2640, -81.6940, -50.3180

Conversions

Conversions Part 2

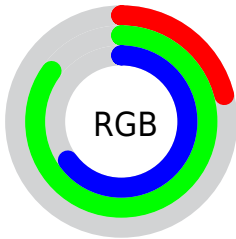
Format	Color
RYB	53, 150, 217
Decimal	3529127
CIELab	77.98, -52.74, 12.98
CIELCh	78, 54.317, 166.178
Yxy	53.1726, 0.2529, 0.4044
Android (android.graphics.Color)	4281719207 (0xFF35D9A7)
YUV	162.2640, 2.3348, -95.8245
Hunter-Lab	72.9195, -46.2015, 14.3980

Details

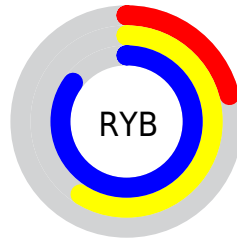
The XYZ color **33.2561, 53.1726, 45.0698** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.3383, 18.2785, 14.6579**, and the grayscale version is **34.4849, 36.2808, 39.5098**.

A 20% lighter version of the original color is **57.2570, 81.0790, 81.7393**, and **15.8394, 26.7275, 20.5438** is the 20% darker color. If you saturate the color by 10%, you get **31.7671, 52.4752, 41.8893**, and if you desaturate by 10%, it is **35.2954, 54.1527, 48.4418**.

Distribution



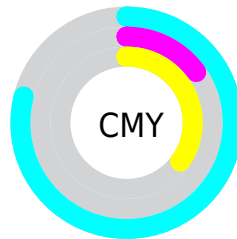
- Red (21%)
- Green (85%)
- Blue (65%)



- Red (21%)
- Yellow (59%)
- Blue (85%)



- Cyan (76%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)



- Cyan (79%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2561, 53.1726, 45.0698 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 33.2561, 53.1726, 45.0698 by changing the saturation by 10% instead.

■ 33.2561, 53.1726,
45.0698

■ 33.2561, 53.1726,
45.0698

308.4468,
398.9470, 383.2245

■ 22.4829, 37.9406,
31.1691

■ 64.1272, 94.8583,
84.1447

■ 14.3307, 25.9366,
20.4681

■ 84.9557, 122.0808,
110.1559

■ 8.4343, 16.7762,
12.5483

■ 109.8668,
154.0688, 141.0411

■ 4.4282, 10.0751,
6.9912

■ 139.2257,
191.2069, 177.2187

■ 1.9471, 5.4487,
3.3782

■ 173.3977,
233.8793, 219.1073

■ 0.6040, 2.5129,
1.2909

212.7484,

■ 0.0000, 0.8831,

282.4706, 267.1255

0.0543

257.6430,
337.3650, 321.6917

■ 0.0000, 0.0000,
0.0000

■ 33.2561, 53.1726,
45.0698

■ 33.2561, 53.1726,
45.0698

■ 31.7671, 52.4752,
41.8893

■ 35.2954, 54.1527,
48.4418

■ 30.7475, 52.0149,
38.8905

■ 37.9428, 55.4413,
52.0069

■ 30.3867, 51.8567,
37.6181

■ 41.2533, 57.0681,
55.7710

■ 45.2745, 59.0575,
59.7387

■ 50.0495, 61.4316,
63.9143

■ 55.6177, 64.2108,
68.3018

■ 62.0160, 67.4139,
72.9049

■ 69.2786, 71.0587,
77.7275

■ 77.4381, 75.1619,
82.7731

Harmonies

Analogous

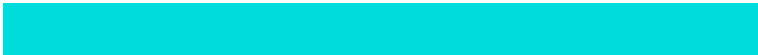
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2439, 53.1726, 26.2137



33.2561, 53.1726, 45.0698



33.4200, 53.1726, 75.6811

Triad

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



33.2561, 53.1726, 45.0698



56.4178, 53.1726, 133.7512



65.9638, 53.1726, 25.2282

Complementary

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



33.2561, 53.1726, 45.0698



32.3383, 18.2785, 14.6579

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.



72.6869, 53.1726, 43.1412



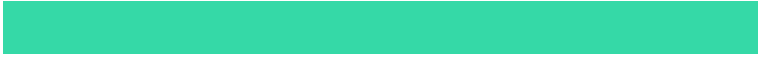
33.2561, 53.1726, 45.0698



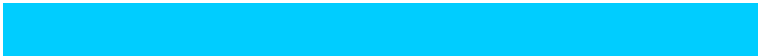
66.6722, 53.1726, 108.2946

Square

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



33.2561, 53.1726, 45.0698



45.8358, 53.1726, 134.8369



72.9629, 53.1726, 72.9502



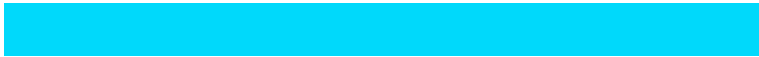
55.5534, 53.1726, 17.7644

Rectangle

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



33.2561, 53.1726, 45.0698



35.8405, 53.1726, 99.5159



72.9629, 53.1726, 72.9502



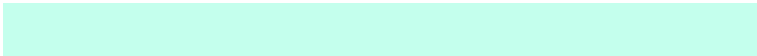
68.7899, 53.1726, 29.8785

Sweetspot

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



33.2575, 53.1747, 45.0710



73.9194, 89.4241, 93.5758



31.2751, 52.8842, 11.9283



15.2361, 18.8486, 19.5464



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.



33.2575, 53.1747, 45.0710



44.7901, 75.1727, 57.6337



31.7505, 41.2811, 71.9427



13.2670, 14.7584, 15.8689



18.4429, 31.4098, 23.0295



1.2325, 2.0500, 1.6905

Inverse Universe

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



32.3383, 18.2785, 14.6579



43.5524, 22.6736, 12.6004



32.3579, 21.2070, 5.7569



13.2187, 13.1166, 14.4127



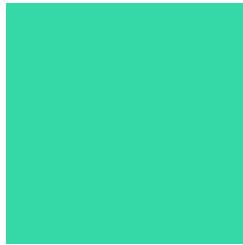
17.9618, 9.1857, 4.1787



1.2014, 0.6102, 0.4697

Previews

White Background



This preview shows how the XYZ color 33.2561, 53.1726, 45.0698 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 33.2561, 53.1726, 45.0698 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

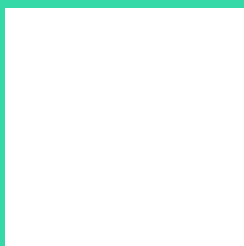
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2561, 53.1726, 45.0698

Background



This preview shows how black text looks on a background with the XYZ color 33.2561, 53.1726, 45.0698.

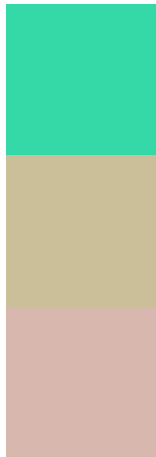


This preview shows how white text looks on a background with the XYZ color 33.2561, 53.1726,

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

33.2561, 53.1726, 45.0698

Protanopia

49.0921, 52.2912, 38.0776

Deuteranopia

53.0994, 51.9359, 47.2704



Tritanopia

40.1841, 52.9767, 80.0591

Trichromacy



Original Color

33.2561, 53.1726, 45.0698



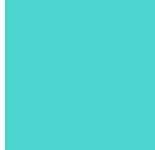
Protanomaly

39.1250, 50.1077, 40.4105



Deuteranomaly

40.9952, 49.5882, 45.9389



Tritanomaly

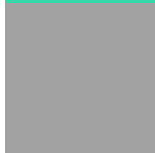
37.3106, 52.9112, 66.0040

Monochromacy



Original Color

33.2561, 53.1726, 45.0698



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.4548, 40.2738, 41.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2561, 53.1726, 45.0698 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(53, 217, 167)` looks like.

```
.text, #text, p{  
    color:rgb(53, 217, 167)  
}
```

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(53, 217, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 217, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.2561, 53.1726, 45.0698 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(53, 217, 167) }
```


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

```
.border{ border-color:rgb(53, 217, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 217, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 217, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 217, 167);  
box-shadow:4px 4px 4px 4px rgb(53, 217,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2561, 53.1726, 45.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 217, 167) }
```

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

```
.background{ background-color: rgb(53, 217,  
167) }
```

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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