

Converting Colors

XYZ(36.2880, 54.9321, 54.6331)

Have a look what the booklet for
XYZ(36.2880, 54.9321, 54.6331)
contains.

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Color

**XYZ(36.2826, 54.9108,
54.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	45DAB9
RGB	69, 218, 185
RGB Percent	27%, 85%, 73%
CMY	0.7294, 0.1451, 0.2745
CMYK	0.68, 0.00, 0.15, 0.15
HSL	167°, 67%, 56%
HSV	167°, 68%, 85%
XYZ	36.2826, 54.9108, 54.5855
YIQ	169.6870, -78.2110, -41.8510

Conversions

Conversions Part 2

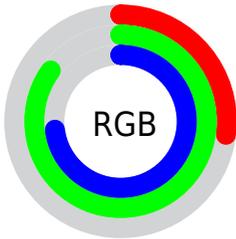
Format	Color
RYB	69, 153, 218
Decimal	4577977
CIELab	78.99, -46.73, 4.90
CIElCh	79, 46.987, 174.019
Yxy	54.9108, 0.2489, 0.3767
Android (android.graphics.Color)	4282768057 (0xFF45DAB9)
YUV	169.6870, 7.5493, -88.3025
Hunter-Lab	74.1018, -42.2789, 8.1966

Details

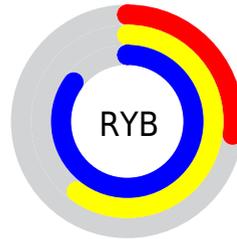
The XYZ color **36.2826, 54.9108, 54.5855** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **33.4417, 20.1224, 14.6939**, and the grayscale version is **38.0458, 40.0272, 43.5896**.

A 20% lighter version of the original color is **61.6289, 83.0218, 95.9957**, and **17.0852, 27.5066, 26.2386** is the 20% darker color. If you saturate the color by 10%, you get **34.5100, 54.0562, 51.8876**, and if you desaturate by 10%, it is **38.6434, 56.0693, 57.4038**.

Distribution



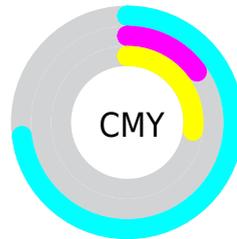
- Red (27%)
- Green (85%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)



- Cyan (73%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2826, 54.9108, 54.5855 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 36.2826, 54.9108, 54.5855 by changing the saturation by 10% instead.

 36.2826, 54.9108,
54.5855

 36.2826, 54.9108,
54.5855

321.6038,
405.5737, 421.5764

 24.8237, 39.3303,
38.6736

 68.7891, 97.4103,
98.3984

 16.0737, 27.0168,
26.2000

 90.5673, 125.0980,
127.1365

 9.6675, 17.5858,
16.7462

 116.5159,
157.5903, 160.9872

 5.2397, 10.6530,
9.8937

 147.0004,
195.2715, 200.3688

 2.4247, 5.8340,
5.2238

182.3861,
238.5261, 245.7000

 0.8575, 2.7444,
2.3182

223.0383,

 0.0000, 0.9998,

287.7384, 297.3993

0.7414

269.3224,
343.2928, 355.8852

■ 0.0000, 0.0000,
0.0000

■ 36.2826, 54.9108,
54.5855

■ 36.2826, 54.9108,
54.5855

■ 34.5100, 54.0562,
51.8876

■ 38.6434, 56.0693,
57.4038

■ 33.2550, 53.4652,
49.3022

■ 41.6437, 57.5541,
60.3420

■ 32.4221, 53.0898,
46.8251

■ 45.3344, 59.3927,
63.4047

■ 32.3013, 53.0362,
46.4248

■ 49.7599, 61.6081,
66.5947

■ 54.9608, 64.2212,
69.9148

60.9748, 67.2513,
73.3676

67.8369, 70.7166,
76.9556

75.5803, 74.6340,
80.6810

80.3798, 77.0316,
84.3656

Harmonies

Analogous

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



38.9593, 54.9108, 34.3649



36.2826, 54.9108, 54.5855



37.4389, 54.9108, 83.2765

Triad

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



36.2826, 54.9108, 54.5855



59.8520, 54.9108, 120.1861



63.4754, 54.9108, 27.0660

Complementary

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



36.2826, 54.9108, 54.5855



33.4417, 20.1224, 14.6939

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.



70.3840, 54.9108, 41.1929



36.2826, 54.9108, 54.5855



68.1234, 54.9108, 95.4042

Square

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



36.2826, 54.9108, 54.5855



50.3412, 54.9108, 126.9609



72.1789, 54.9108, 65.3121



54.0857, 54.9108, 21.8233

Rectangle

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



36.2826, 54.9108, 54.5855



40.3069, 54.9108, 103.1512



72.1789, 54.9108, 65.3121



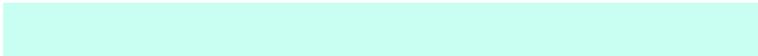
66.2078, 54.9108, 30.6844

Sweetspot

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



36.2841, 54.9129, 54.5868



76.1672, 90.4794, 98.3540



31.8292, 53.5038, 14.2809



15.8555, 19.1415, 20.7686



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.



36.2841, 54.9129, 54.5868



48.3520, 76.6864, 72.3715



31.0844, 38.2763, 72.0818



13.3150, 14.7776, 16.1216



19.3931, 31.7899, 28.0331



1.2875, 2.0719, 1.9799

Inverse Universe

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



33.4417, 20.1224, 14.6939



44.1542, 23.9826, 12.4763



35.4297, 26.2173, 8.8243



13.1735, 13.0985, 14.1751



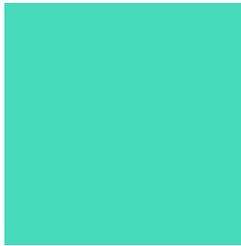
17.6786, 9.0725, 2.6877



1.1779, 0.6008, 0.3458

Previews

White Background



This preview shows how the XYZ color 36.2826, 54.9108, 54.5855 looks on a white background.

Color Contrast Check

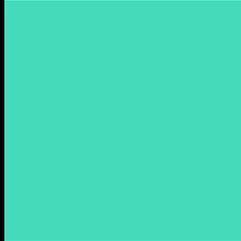
Large Text (above 18pt) WCAG AA × Fail

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 36.2826, 54.9108, 54.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

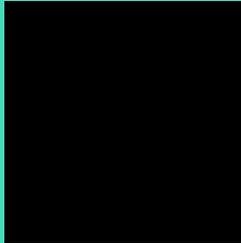
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

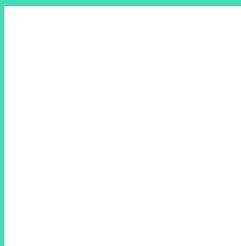
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2826, 54.9108, 54.5855

Background



This preview shows how black text looks on a background with the XYZ color 36.2826, 54.9108, 54.5855.



This preview shows how white text looks on a background with the XYZ color 36.2826, 54.9108,

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

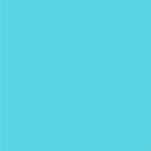
36.2826, 54.9108, 54.5855

Protanopia

51.1450, 53.8150, 46.7214

Deuteranopia

54.9382, 53.9183, 57.3809



Tritanopia

41.8062, 54.8680, 82.5159

Trichromacy



Original Color

36.2826, 54.9108, 54.5855



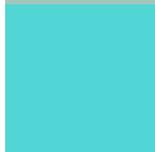
Protanomaly

42.3828, 52.2854, 49.4533



Deuteranomaly

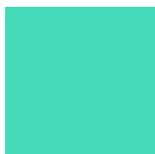
44.3067, 52.0980, 55.8648



Tritanomaly

39.5365, 54.6911, 71.4234

Monochromacy



Original Color

36.2826, 54.9108, 54.5855



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.1811, 43.6223, 47.1232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2826, 54.9108, 54.5855 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(69, 218, 185)` looks like.

```
.text, #text, p{  
    color:rgb(69, 218, 185)  
}
```

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(69, 218, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 218, 185) }
```

Border

The CSS property to change the border of an element to XYZ 36.2826, 54.9108, 54.5855 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(69, 218, 185) }
```

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

```
.border{ border-color:rgb(69, 218, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 218, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 218, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 218, 185);  
box-shadow:4px 4px 4px 4px rgb(69, 218,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2826, 54.9108, 54.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 218, 185) }
```

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

```
.background{ background-color: rgb(69, 218,  
185) }
```

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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