

Converting Colors

XYZ(35.5586, 53.9888, 44.6231)

Have a look what the booklet for
XYZ(35.5586, 53.9888, 44.6231)
contains.

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Color

**XYZ(35.5586, 53.9888,
44.6231)**

Conversions

Conversions Part 1

Format	Color
Hex	59D8A6
RGB	89, 216, 166
RGB Percent	35%, 85%, 65%
CMY	0.6510, 0.1529, 0.3490
CMYK	0.59, 0.00, 0.23, 0.15
HSL	156°, 62%, 60%
HSV	156°, 59%, 85%
XYZ	35.5586, 53.9888, 44.6231
YIQ	172.3270, -59.6420, -42.4740

Conversions

Conversions Part 2

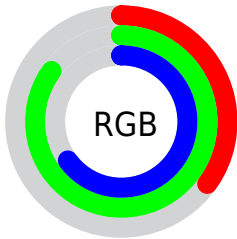
Format	Color
RYB	89, 168, 216
Decimal	5888166
CIELab	78.46, -46.86, 14.30
CIELCh	78, 48.988, 163.033
Yxy	53.9888, 0.2650, 0.4024
Android (android.graphics.Color)	4284078246 (0xFF59D8A6)
YUV	172.3270, -3.1192, -73.0778
Hunter-Lab	73.4771, -42.2013, 15.4267

Details

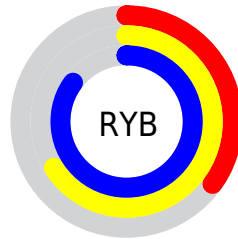
The XYZ color **35.5586, 53.9888, 44.6231** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **36.5532, 23.6090, 27.0584**, and the grayscale version is **39.4165, 41.4693, 45.1600**.

A 20% lighter version of the original color is **61.2056, 83.1300, 81.2264**, and **15.6081, 26.3565, 20.1843** is the 20% darker color. If you saturate the color by 10%, you get **33.0277, 52.7726, 40.5668**, and if you desaturate by 10%, it is **38.7520, 55.5433, 48.9821**.

Distribution



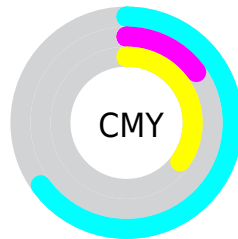
- Red (35%)
- Green (85%)
- Blue (65%)



- Red (35%)
- Yellow (66%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)





- Cyan (65%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5586, 53.9888, 44.6231 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 35.5586, 53.9888, 44.6231 by changing the saturation by 10% instead.


 35.5586, 53.9888,
44.6231


 35.5586, 53.9888,
44.6231


318.4921,
402.0673, 381.3605


 24.2620, 38.5927,
30.8199


 67.6786, 96.0578,
83.4670


 15.6539, 26.4430,
20.2044


 89.2327, 123.4995,
109.3447

 9.3689, 17.1554,
12.3582


 114.9366,
155.7252, 140.0844

 5.0416, 10.3453,
6.8626

 145.1558,
193.1193, 176.1045

 2.3067, 5.6285,
3.2992

180.2556,
236.0661, 217.8237

 0.7981, 2.6205,
1.2494

220.6014,

 0.0000, 0.9370,

284.9501, 265.6603

0.0197

266.5584,
340.1557, 320.0331

■ 0.0000, 0.0000,
0.0000

■ 35.5586, 53.9888,
44.6231

■ 35.5586, 53.9888,
44.6231

■ 33.0277, 52.7726,
40.5668

■ 38.7520, 55.5433,
48.9821

■ 31.0989, 51.8597,
36.8017

■ 42.6528, 57.4550,
53.6474

■ 29.7081, 51.2183,
33.3206

■ 47.3068, 59.7488,
58.6272

■ 28.7532, 50.7960,
30.1133

■ 52.7546, 62.4456,
63.9282

■ 28.6509, 50.7513,
29.7445

■ 59.0338, 65.5646,
69.5567

■ 66.1797, 69.1238,
75.5190

■ 74.2253, 73.1403,
81.8210

■ 80.6534, 76.3164,
88.3493

■ 81.9053, 76.8171,
94.9415

Harmonies

Analogous

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



39.6837, 53.9888, 27.9093



35.5586, 53.9888, 44.6231



35.3015, 53.9888, 71.5778

Triad

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



35.5586, 53.9888, 44.6231



55.6063, 53.9888, 127.0926



66.0802, 53.9888, 29.5059

Complementary

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



35.5586, 53.9888, 44.6231



36.5532, 23.6090, 27.0584

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.



71.5588, 53.9888, 47.6146



35.5586, 53.9888, 44.6231



65.0216, 53.9888, 106.7123

Square

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



35.5586, 53.9888, 44.6231



46.0969, 53.9888, 125.5232



71.1488, 53.9888, 75.6640



56.9122, 53.9888, 21.2434

Rectangle

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



35.5586, 53.9888, 44.6231



37.2996, 53.9888, 92.7039



71.1488, 53.9888, 75.6640



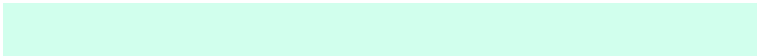
68.4629, 53.9888, 34.3492

Sweetspot

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



35.5601, 53.9910, 44.6243



77.3584, 91.2001, 93.5922



37.1423, 55.3934, 18.1862



16.0280, 19.2579, 19.5349



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.



35.5601, 53.9910, 44.6243



47.2024, 76.4227, 57.4558



37.9430, 49.9376, 72.6075



12.5755, 14.0212, 14.8448



17.0122, 30.0602, 17.8917



1.0663, 1.8292, 1.2908

Inverse Universe

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



36.5532, 23.6090, 27.0584



48.8142, 28.2024, 29.7527



34.8456, 24.7653, 12.3954



12.6237, 12.5010, 13.9587



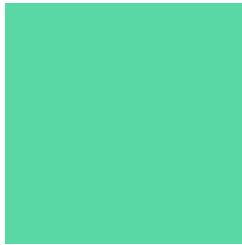
17.7830, 9.0495, 6.1616



1.1127, 0.5619, 0.5829

Previews

White Background



This preview shows how the XYZ color 35.5586, 53.9888, 44.6231 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 35.5586, 53.9888, 44.6231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

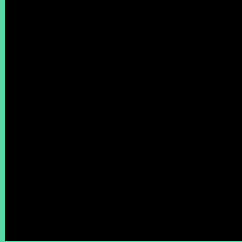
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

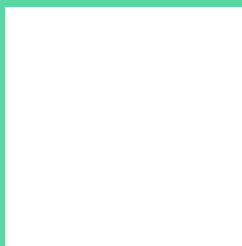
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5586, 53.9888, 44.6231

Background



This preview shows how black text looks on a background with the XYZ color 35.5586, 53.9888, 44.6231.

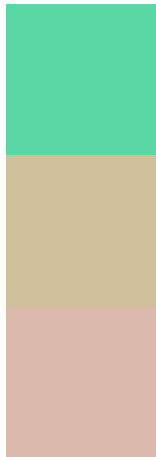


This preview shows how white text looks on a background with the XYZ color 35.5586, 53.9888,

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

35.5586, 53.9888, 44.6231

Protanopia

49.9429, 53.0450, 38.6168

Deuteranopia

54.3151, 53.1950, 46.9401



Tritanopia

42.4532, 53.7992, 79.3809

Trichromacy



Original Color

35.5586, 53.9888, 44.6231



Protanomaly

42.2489, 52.0630, 40.6233



Deuteranomaly

44.2352, 51.6054, 45.6596



Tritanomaly

39.6728, 53.7729, 65.4150

Monochromacy



Original Color

35.5586, 53.9888, 44.6231



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.3942, 44.6195, 44.7245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5586, 53.9888, 44.6231 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(89, 216, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 216, 166)  
}
```

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(89, 216, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 216, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.5586, 53.9888, 44.6231 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(89, 216, 166) }
```


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

```
.border{ border-color:rgb(89, 216, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 216, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 216, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 216, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 216,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5586, 53.9888, 44.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 216, 166) }
```

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

```
.background{ background-color: rgb(89, 216,  
166) }
```

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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