

Converting Colors

XYZ(43.8149, 66.2540, 58.4541)

Have a look what the booklet for
XYZ(43.8149, 66.2540, 58.4541)
contains.

XYZ(43.6950, 65.9922, 58.5789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.6950, 65.9922,
58.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	5DECBD
RGB	93, 236, 189
RGB Percent	36%, 93%, 74%
CMY	0.6353, 0.0745, 0.2588
CMYK	0.61, 0.00, 0.20, 0.07
HSL	160°, 79%, 65%
HSV	160°, 61%, 93%
XYZ	43.6950, 65.9922, 58.5789
YIQ	187.8850, -70.1410, -44.9330

Conversions

Conversions Part 2

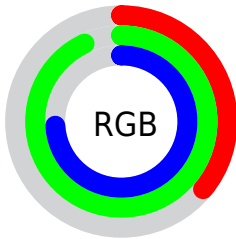
Format	Color
RYB	93, 179, 236
Decimal	6155453
CIELab	84.99, -49.42, 11.46
CIELCh	85, 50.730, 166.943
Yxy	65.9922, 0.2597, 0.3922
Android (android.graphics.Color)	4284345533 (0xFF5DECBD)
YUV	187.8850, 0.5497, -83.2141
Hunter-Lab	81.2356, -46.1507, 14.1109

Details

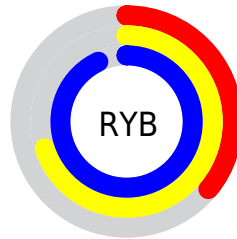
The XYZ color **43.6950, 65.9922, 58.5789** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **43.2423, 27.5568, 27.8535**, and the grayscale version is **47.7619, 50.2492, 54.7214**.

A 20% lighter version of the original color is **65.7590, 85.0811, 99.3426**, and **20.5640, 34.0178, 28.7748** is the 20% darker color. If you saturate the color by 10%, you get **40.8453, 64.6195, 54.1679**, and if you desaturate by 10%, it is **47.3302, 67.7680, 63.2647**.

Distribution



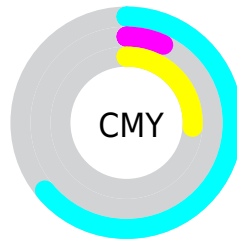
- Red (36%)
- Green (93%)
- Blue (74%)



- Red (36%)
- Yellow (70%)
- Blue (93%)



- Cyan (61%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)





- Cyan (64%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6950, 65.9922, 58.5789 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 43.6950, 65.9922, 58.5789 by changing the saturation by 10% instead.


 43.6950, 65.9922,
58.5789


 43.6950, 65.9922,
58.5789


352.3355,
446.3490, 436.9979


 30.6277, 48.2661,
41.8564


 80.0078, 113.4751,
104.2885


 20.4659, 34.0376,
28.6642


 103.9840,
144.0007, 134.1127

 12.8444, 22.9225,
18.5835

 132.3272,
179.5616, 169.1412

 7.3978, 14.5363,
11.1960


 165.4027,
220.5422, 209.7927

 3.7606, 8.4946,
6.0830

203.5759,
267.3268, 256.4855

 1.5676, 4.4130,
2.8260

247.2122,

 0.3712, 1.9072,

320.2999, 309.6383

1.0065

296.6770,
379.8458, 369.6696

■ 0.0000, 0.5527,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6950, 65.9922,
58.5789

■ 43.6950, 65.9922,
58.5789

■ 40.8453, 64.6195,
54.1679

■ 47.3302, 67.7680,
63.2647

■ 38.7046, 63.6055,
50.0202


■ 51.8076, 69.9710,
68.2271


■ 37.1902, 62.9094,
46.1295


■ 57.1846, 72.6324,
73.4738

■ 36.2054, 62.4767,
42.6942


■ 63.5120, 75.7783,
79.0106

 70.8367, 79.4327,
84.8430

 79.2023, 83.6183,
90.9762

 87.4599, 87.7425,
97.3597

 88.6585, 88.2220,
103.6715

 89.2866, 88.4732,
106.9789

Harmonies

Analogous

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



48.0264, 65.9922, 36.9401



43.6950, 65.9922, 58.5789



43.9981, 65.9922, 91.7537

Triad

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



43.6950, 65.9922, 58.5789



69.3335, 65.9922, 150.2300



78.9179, 65.9922, 35.0415

Complementary

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



43.6950, 65.9922, 58.5789



43.2423, 27.5568, 27.8535

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.



86.1262, 65.9922, 55.0625



43.6950, 65.9922, 58.5789



80.1495, 65.9922, 123.8258

Square

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



43.6950, 65.9922, 58.5789



57.8986, 65.9922, 152.0391



86.6024, 65.9922, 86.9976



67.8095, 65.9922, 26.3959

Rectangle

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



43.6950, 65.9922, 58.5789



46.7789, 65.9922, 116.5947



86.6024, 65.9922, 86.9976



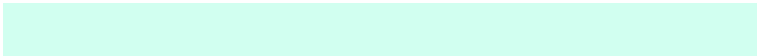
81.9331, 65.9922, 40.3324

Sweetspot

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



43.6968, 65.9948, 58.5804



77.7981, 91.3760, 95.9075



42.9013, 66.4175, 20.9158



16.1357, 19.3010, 20.1020



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.



43.6968, 65.9948, 58.5804



47.9204, 76.6665, 63.2024



43.2418, 55.5562, 87.8042



15.2949, 17.0328, 18.2358



20.0185, 34.4619, 23.8603



1.6160, 2.7237, 2.1055

Inverse Universe

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



43.2423, 27.5568, 27.8535



47.3905, 27.1105, 23.8666



42.9118, 31.3088, 14.1386



15.2696, 15.1357, 16.7051



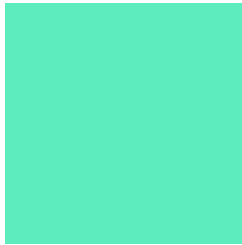
19.8705, 10.1509, 5.1192



1.6032, 0.8143, 0.6280

Previews

White Background



This preview shows how the XYZ color 43.6950, 65.9922, 58.5789 looks on a white background.

Color Contrast Check

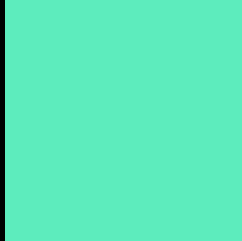
Large Text (above 18pt) WCAG AA × Fail

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 43.6950, 65.9922, 58.5789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

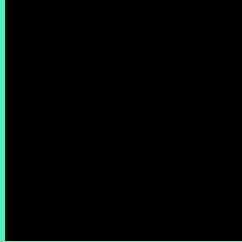
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

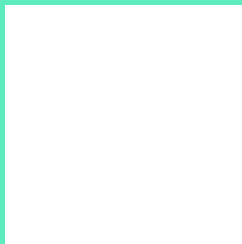
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.6950, 65.9922, 58.5789

Background



This preview shows how black text looks on a background with the XYZ color 43.6950, 65.9922, 58.5789.

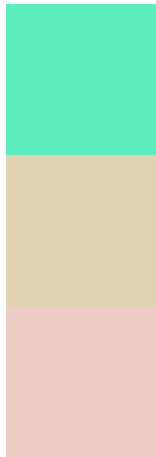


This preview shows how white text looks on a background with the XYZ color 43.6950, 65.9922,

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

43.6950, 65.9922, 58.5789

Protanopia

61.0073, 64.7574, 50.3583

Deuteranopia

65.9118, 64.5303, 61.2062



Tritanopia

51.4713, 65.7796, 97.9796

Trichromacy



Original Color

43.6950, 65.9922, 58.5789



Protanomaly

51.3512, 63.1132, 53.1916



Deuteranomaly

53.6932, 62.6415, 59.7132



Tritanomaly

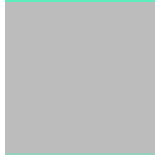
48.2472, 65.7070, 82.0913

Monochromacy



Original Color

43.6950, 65.9922, 58.5789



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0453, 54.0658, 55.6913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6950, 65.9922, 58.5789 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(93, 236, 189)` looks like.

```
.text, #text, p{  
    color:rgb(93, 236, 189)  
}
```

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(93, 236, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 236, 189) }
```

Border

The CSS property to change the border of an element to XYZ 43.6950, 65.9922, 58.5789 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(93, 236, 189) }
```


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

```
.border{ border-color:rgb(93, 236, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 236, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 236, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 236, 189);  
box-shadow:4px 4px 4px 4px rgb(93, 236,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6950, 65.9922, 58.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 236, 189) }
```

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

```
.background{ background-color: rgb(93, 236,  
189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor