

Converting Colors

XYZ(45.3761, 53.7232, 53.4668)

Have a look what the booklet for
XYZ(45.3761, 53.7232, 53.4668)
contains.

XYZ(45.2893, 53.7011, 53.3257)	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(45.2893, 53.7011,
53.3257)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CAB8
RGB	165, 202, 184
RGB Percent	65%, 79%, 72%
CMY	0.3529, 0.2078, 0.2784
CMYK	0.18, 0.00, 0.09, 0.21
HSL	151°, 26%, 72%
HSV	151°, 18%, 79%
XYZ	45.2893, 53.7011, 53.3257
YIQ	188.8850, -16.2740, -13.4420

Conversions

Conversions Part 2

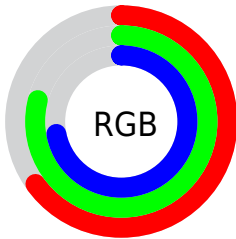
Format	Color
RYB	165, 189, 202
Decimal	10865336
CIELab	78.29, -15.88, 4.92
CIELCh	78, 16.622, 162.798
Yxy	53.7011, 0.2973, 0.3526
Android (android.graphics.Color)	4289055416 (0xFFA5CAB8)
YUV	188.8850, -2.4083, -20.9471
Hunter-Lab	73.2810, -17.9249, 8.1521

Details

The XYZ color **45.2893, 53.7011, 53.3257** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3614, 42.8871, 50.6367**, and the grayscale version is **48.3253, 50.8419, 55.3669**.

A 20% lighter version of the original color is **81.0034, 93.0269, 96.1247**, and **21.4967, 26.3292, 25.4218** is the 20% darker color. If you saturate the color by 10%, you get **40.4205, 51.3075, 47.9060**, and if you desaturate by 10%, it is **50.8964, 56.4699, 59.1559**.

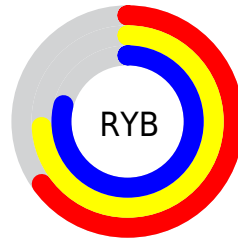
Distribution



Red (65%)

Green (79%)

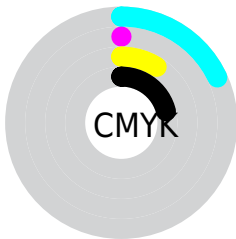
Blue (72%)



Red (65%)

Yellow (74%)

Blue (79%)

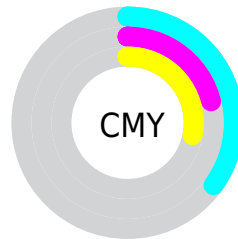


Cyan (18%)

Magenta (0%)

Yellow (9%)

Black (21%)



Cyan (35%)


Magenta (21%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2893, 53.7011, 53.3257 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 45.2893, 53.7011, 53.3257 by changing the saturation by 10% instead.


 45.2893, 53.7011,
53.3257


 45.2893, 53.7011,
53.3257


358.7080,
400.9692, 416.6351

 31.8876, 38.3627,
37.6733


 82.3888, 95.6352,
96.5299

 21.4308, 26.2643,
25.4294


 106.8172,
122.9998, 124.9187

 13.5535, 17.0215,
16.1753


135.6520,
155.1419, 158.3902

 7.8904, 10.2498,
9.4926

169.2585,
192.4459, 197.3628

 4.0761, 5.5649,
4.9627

208.0019,
235.2963, 242.2550

 1.7453, 2.5824,
2.1670

252.2478,

 0.4844, 0.9178,

284.0773, 293.4855

0.6552

302.3613,
339.1735, 351.4727

■ 0.0000, 0.0000,
0.0000

■ 45.2893, 53.7011,
53.3257

■ 45.2893, 53.7011,
53.3257

■ 40.4205, 51.3075,
47.9060

■ 50.8964, 56.4699,
59.1559

■ 36.2529, 49.2659,
42.8842

■ 57.2676, 59.6228,
65.4017

■ 32.7530, 47.5605,
38.2520

■ 64.4332, 63.1765,
72.0728

■ 29.8825, 46.1719,
33.9997

■ 72.4202, 67.1450,
79.1773

■ 27.5993, 45.0784,
30.1168

■ 77.0898, 69.3944,
86.5284

■ 25.8554, 44.2556,
26.5926

■ 78.5347, 69.9723,
94.1370

■ 24.5951, 43.6749,
23.4154

■ 80.0590, 70.5821,
102.1640

■ 23.7333, 43.2927,
20.5718

■ 80.4116, 70.7231,
104.0205

■ 23.6062, 43.2370,
20.1246

Harmonies

Analogous

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



46.9034, 53.7011, 46.2733



45.2893, 53.7011, 53.3257



45.1744, 53.7011, 62.5352

Triad

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



45.2893, 53.7011, 53.3257



52.4412, 53.7011, 77.7640



55.7759, 53.7011, 47.1121

Complementary

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



45.2893, 53.7011, 53.3257



46.3614, 42.8871, 50.6367

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.



57.3953, 53.7011, 54.5875



45.2893, 53.7011, 53.3257



55.4157, 53.7011, 72.6443

Square

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



45.2893, 53.7011, 53.3257



49.2114, 53.7011, 77.3334



57.2608, 53.7011, 63.9378



52.9159, 53.7011, 42.9565

Rectangle

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



45.2893, 53.7011, 53.3257



45.9558, 53.7011, 68.7352



57.2608, 53.7011, 63.9378



56.4888, 53.7011, 49.2838

Sweetspot

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



45.2908, 53.7033, 53.3269



89.5310, 97.2684, 103.5123



47.5615, 55.0888, 43.7245



19.0031, 20.7402, 21.9970



0.0000, 0.0000, 0.0000



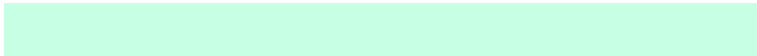
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2908, 53.7033, 53.3269



73.2494, 89.2335, 86.5480



47.3001, 54.5071, 63.9078



11.3045, 12.6315, 13.1607



15.2348, 27.8392, 13.1874



0.8242, 1.4515, 0.8819

Inverse Universe

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



46.3614, 42.8871, 50.6367



75.3946, 67.5625, 81.1585



44.6054, 42.1846, 41.3895



11.4359, 11.3031, 12.8303



17.1453, 8.6687, 8.4840



0.9228, 0.4625, 0.6394

Previews

White Background



This preview shows how the XYZ color 45.2893, 53.7011, 53.3257 looks on a white background.

Color Contrast Check

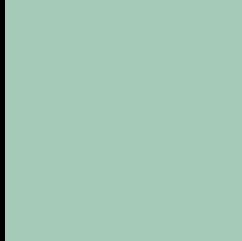
Large Text (above 18pt) WCAG AA × Fail

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 45.2893, 53.7011, 53.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

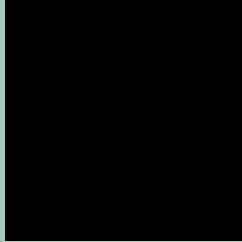
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

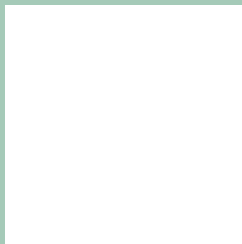
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2893, 53.7011, 53.3257

Background



This preview shows how black text looks on a background with the XYZ color 45.2893, 53.7011, 53.3257.

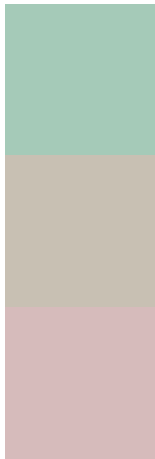


This preview shows how white text looks on a background with the XYZ color 45.2893, 53.7011,

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

45.2893, 53.7011, 53.3257

Protanopia

50.8057, 53.2333, 50.2451

Deuteranopia

54.4715, 53.4246, 54.4547



Tritanopia

48.7819, 53.7383, 70.7522

Trichromacy



Original Color

45.2893, 53.7011, 53.3257

Protanomaly

48.5739, 53.3808, 51.4595

Deuteranomaly

50.4775, 52.9802, 54.0201

Tritanomaly

47.2325, 53.4359, 63.7019

Monochromacy



Original Color

45.2893, 53.7011, 53.3257

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.0838, 51.8747, 54.5449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2893, 53.7011, 53.3257 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(165, 202, 184)` looks like.

```
.text, #text, p{  
    color:rgb(165, 202, 184)  
}
```

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(165, 202, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 202, 184) }
```

Border

The CSS property to change the border of an element to XYZ 45.2893, 53.7011, 53.3257 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(165, 202, 184) }
```


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

```
.border{ border-color:rgb(165, 202, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 202, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 202, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 202, 184);  
box-shadow:4px 4px 4px 4px rgb(165, 202,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2893, 53.7011, 53.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 202, 184) }
```

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

```
.background{ background-color: rgb(165,  
202, 184) }
```

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