

Converting Colors

XYZ(45.5928, 55.5845, 63.5749)

Have a look what the booklet for
XYZ(45.5928, 55.5845, 63.5749)
contains.

XYZ(45.4331, 55.3267, 63.5429)	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(45.4331, 55.3267,
63.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	96CFC9
RGB	150, 207, 201
RGB Percent	59%, 81%, 79%
CMY	0.4118, 0.1882, 0.2118
CMYK	0.28, 0.00, 0.03, 0.19
HSL	174°, 37%, 70%
HSV	174°, 28%, 81%
XYZ	45.4331, 55.3267, 63.5429
YIQ	189.2730, -32.0460, -13.9500

Conversions

Conversions Part 2

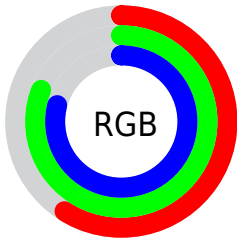
Format	Color
R_{YB}	150, 180, 207
Decimal	9883593
CIE _{Lab}	79.23, -19.53, -2.95
CIE _{LCh}	79, 19.747, 188.581
Yxy	55.3267, 0.2765, 0.3367
Android (android.graphics.Color)	4288073673 (0xFF96CFC9)
YUV	189.2730, 5.7814, -34.4424
Hunter-Lab	74.3819, -21.1391, 1.4172

Details

The XYZ color **45.4331, 55.3267, 63.5429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6411, 37.4799, 36.4416**, and the grayscale version is **48.5084, 51.0346, 55.5766**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **21.5875, 27.4304, 31.7606** is the 20% darker color. If you saturate the color by 10%, you get **41.7011, 53.4336, 62.0402**, and if you desaturate by 10%, it is **49.8448, 57.5726, 65.0988**.

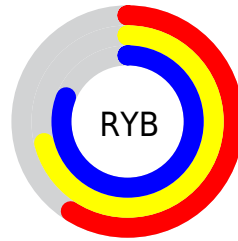
Distribution



Red (59%)

Green (81%)

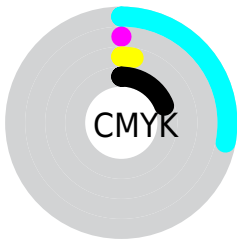
Blue (79%)



Red (59%)

Yellow (71%)

Blue (81%)

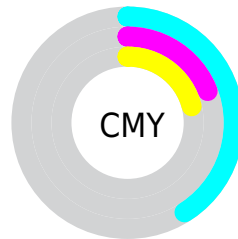


Cyan (28%)

Magenta (0%)

Yellow (3%)

Black (19%)



Cyan (41%)

Magenta (19%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4331, 55.3267, 63.5429 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 45.4331, 55.3267, 63.5429 by changing the saturation by 10% instead.

■ 45.4331, 55.3267,
63.5429

■ 45.4331, 55.3267,
63.5429

359.2791,
407.1491, 455.6992

■ 32.0014, 39.6634,
45.8367

■ 82.6030, 98.0195,
111.5455

■ 21.5181, 27.2762,
31.7693

■ 107.0720,
125.8177, 142.6790

■ 13.6179, 17.7807,
20.9220

135.9507,
158.4296, 179.1254

■ 7.9353, 10.7927,
12.8763

169.6046,
196.2397, 221.3032

■ 4.1050, 5.9276,
7.2137

208.3991,
239.6322, 269.6309

■ 1.7617, 2.8011,
3.5156

252.6994,

■ 0.4944, 1.0288,

288.9918, 324.5271

1.3636

302.8709,
344.7026, 386.4104

■ 0.0000, 0.0000,
0.1131

■ 0.0000, 0.0000,
0.0000

■ 45.4331, 55.3267,
63.5429

■ 45.4331, 55.3267,
63.5429

■ 41.7011, 53.4336,
62.0402

■ 49.8448, 57.5726,
65.0988

■ 38.6086, 51.8684,
60.5851

■ 54.9643, 60.1815,
66.7057

■ 36.1185, 50.6133,
59.1771

■ 60.8238, 63.1715,
68.3664

■ 34.1881, 49.6463,
57.8141

■ 67.4522, 66.5575,
70.0823

■ 32.7686, 48.9423,
56.4936

■ 74.8768, 70.3535,
71.8548

■ 31.8034, 48.4721,
55.2130

■ 75.7017, 70.7467,
73.3378

■ 31.2132, 48.1947,
53.9685

■ 75.9821, 70.8589,
74.8147

■ 31.0925, 48.1390,
53.6659

■ 76.2664, 70.9726,
76.3114

■ 76.5543, 71.0878,
77.8279

Harmonies

Analogous

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



45.8327, 55.3267, 52.6471



45.4331, 55.3267, 63.5429



46.8737, 55.3267, 74.8383

Triad

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



45.4331, 55.3267, 63.5429



57.4627, 55.3267, 78.8807



55.4070, 55.3267, 42.1877

Complementary

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



45.4331, 55.3267, 63.5429



42.6411, 37.4799, 36.4416

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.



58.7453, 55.3267, 47.6778



45.4331, 55.3267, 63.5429



59.9729, 55.3267, 68.5329

Square

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



45.4331, 55.3267, 63.5429



53.7269, 55.3267, 84.3913



60.4536, 55.3267, 57.0562



51.4621, 55.3267, 41.2034

Rectangle

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



45.4331, 55.3267, 63.5429



48.7283, 55.3267, 80.7591



60.4536, 55.3267, 57.0562



56.6428, 55.3267, 43.5312

Sweetspot

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



45.4347, 55.3289, 63.5442



87.5950, 96.1966, 106.7558



41.6559, 53.9629, 37.0756



18.4676, 20.4466, 22.7652



0.0000, 0.0000, 0.0000



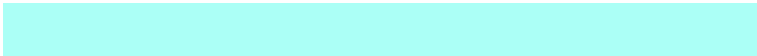
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4347, 55.3289, 63.5442



69.1778, 86.8234, 100.4130



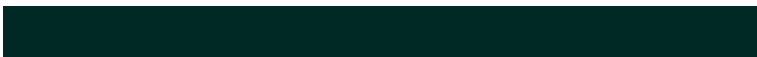
41.2222, 45.7516, 65.6923



12.1025, 13.3847, 14.8961



19.6097, 30.3368, 33.9206



1.1122, 1.7026, 1.9797

Inverse Universe

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



42.6411, 37.4799, 36.4416



63.9834, 53.6127, 50.0020



45.9630, 44.9172, 35.1026



11.8586, 11.8282, 12.5313



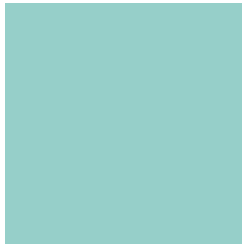
16.3193, 8.4006, 1.3218



0.9300, 0.4767, 0.1664

Previews

White Background



This preview shows how the XYZ color 45.4331, 55.3267, 63.5429 looks on a white background.

Color Contrast Check

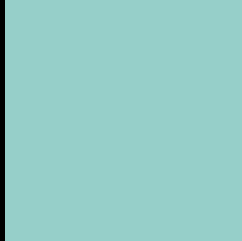
Large Text (above 18pt) WCAG AA × Fail

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 45.4331, 55.3267, 63.5429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

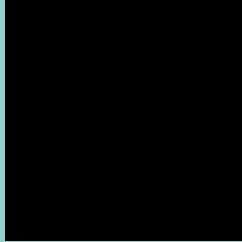
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4331, 55.3267, 63.5429

Background



This preview shows how black text looks on a background with the XYZ color 45.4331, 55.3267, 63.5429.

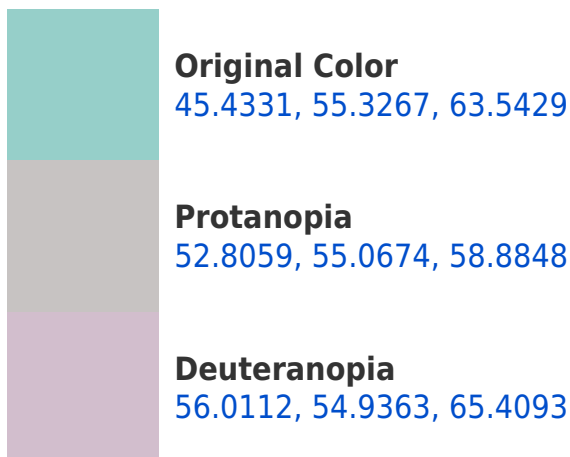


This preview shows how white text looks on a background with the XYZ color 45.4331, 55.3267,

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





Tritanopia

47.8376, 55.2231, 75.8480

Trichromacy



Original Color

45.4331, 55.3267, 63.5429

Protanomaly

49.5575, 54.7018, 60.7699

Deuteranomaly

51.3780, 54.5309, 64.9443

Tritanomaly

46.9784, 55.2390, 71.1370

Monochromacy



Original Color

45.4331, 55.3267, 63.5429

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.0448, 52.4441, 58.0953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4331, 55.3267, 63.5429 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(150, 207, 201)` looks like.

```
.text, #text, p{  
    color:rgb(150, 207, 201)  
}
```

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(150, 207, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 207, 201) }
```

Border

The CSS property to change the border of an element to XYZ 45.4331, 55.3267, 63.5429 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(150, 207, 201) }
```


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

```
.border{ border-color:rgb(150, 207, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 207, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 207, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 207, 201);  
box-shadow:4px 4px 4px 4px rgb(150, 207,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4331, 55.3267, 63.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 207, 201) }
```

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

```
.background{ background-color: rgb(150,  
207, 201) }
```

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