

Converting Colors

XYZ(45.4148, 54.3675, 59.4357)

Have a look what the booklet for
XYZ(45.4148, 54.3675, 59.4357)
contains.

XYZ(45.5437, 54.3950, 59.7286)	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(45.5437, 54.3950,
59.7286)**

Conversions

Conversions Part 1

Format	Color
Hex	9ECCC3
RGB	158, 204, 195
RGB Percent	62%, 80%, 76%
CMY	0.3804, 0.2000, 0.2353
CMYK	0.23, 0.00, 0.04, 0.20
HSL	168°, 31%, 71%
HSV	168°, 23%, 80%
XYZ	45.5437, 54.3950, 59.7286
YIQ	189.2200, -24.5270, -12.5510

Conversions

Conversions Part 2

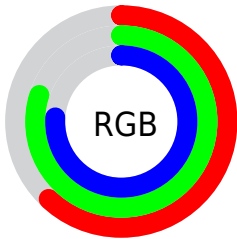
Format	Color
R _Y B	158, 183, 204
Decimal	10407107
CIE Lab	78.69, -16.89, -0.46
CIE LCh	79, 16.898, 181.559
Yxy	54.3950, 0.2852, 0.3407
Android (android.graphics.Color)	4288597187 (0xFF9ECCC3)
YUV	189.2200, 2.8495, -27.3799
Hunter-Lab	73.7530, -18.8409, 3.6113

Details

The XYZ color **45.5437, 54.3950, 59.7286** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1056, 40.0825, 41.9735**, and the grayscale version is **48.4912, 51.0165, 55.5569**.

A 20% lighter version of the original color is **80.7713, 92.6944, 105.7302**, and **21.5398, 26.7390, 29.2252** is the 20% darker color. If you saturate the color by 10%, you get **41.4142, 52.3191, 57.2112**, and if you desaturate by 10%, it is **50.3545, 56.8236, 62.3432**.

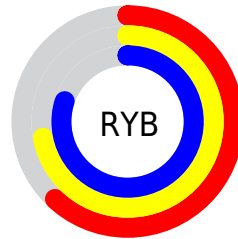
Distribution



Red (62%)

Green (80%)

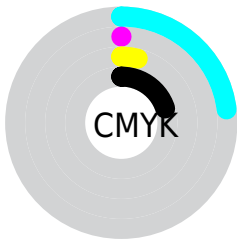
Blue (76%)



Red (62%)

Yellow (72%)

Blue (80%)

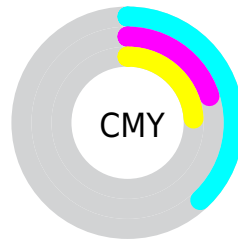


Cyan (23%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (38%)

Magenta (20%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5437, 54.3950, 59.7286 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 45.5437, 54.3950, 59.7286 by changing the saturation by 10% instead.

■ 45.5437, 54.3950,
59.7286

■ 45.5437, 54.3950,
59.7286

359.7179,
403.6145, 441.3735

■ 32.0890, 38.9175,
42.7761

■ 82.7677, 96.6540,
105.9754

■ 21.5854, 26.6956,
29.3793

■ 107.2678,
124.2043, 136.1067

■ 13.6674, 17.3447,
19.1199

136.1803,
156.5477, 171.4680

■ 7.9699, 10.4806,
11.5793

169.8707,
194.0685, 212.4779

■ 4.1273, 5.7187,
6.3388

208.7043,
237.1512, 259.5548

■ 1.7744, 2.6748,
2.9801

253.0465,

■ 0.5022, 0.9644,

286.1802, 313.1174

1.0845

303.2625,
341.5398, 373.5841

■ 0.0000, 0.0000,
0.0000

■ 45.5437, 54.3950,
59.7286

■ 45.5437, 54.3950,
59.7286

■ 41.4142, 52.3191,
57.2112

■ 50.3545, 56.8236,
62.3432

■ 37.9284, 50.5722,
54.7854

■ 55.8726, 59.6140,
65.0532

■ 35.0522, 49.1381,
52.4501

■ 62.1283, 62.7833,
67.8617

■ 32.7461, 47.9967,
50.2030

■ 69.1488, 66.3454,
70.7705

■ 30.9665, 47.1252,
48.0416

■ 75.0949, 69.3522,
73.6938

■ 29.6627, 46.4977,
45.9630

■ 75.6143, 69.5599,
76.4286

■ 28.7742, 46.0830,
43.9639

■ 76.1462, 69.7727,
79.2298

■ 28.3019, 45.8710,
42.5221

■ 76.6909, 69.9906,
82.0978

■ 77.2483, 70.2135,
85.0331

Harmonies

Analogous

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



46.2574, 54.3950, 50.8929



45.5437, 54.3950, 59.7286



46.4198, 54.3950, 69.3829

Triad

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



45.5437, 54.3950, 59.7286



55.1350, 54.3950, 76.3204



54.8198, 54.3950, 44.4830

Complementary

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



45.5437, 54.3950, 59.7286



44.1056, 40.0825, 41.9735

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.



57.3679, 54.3950, 50.1137



45.5437, 54.3950, 59.7286



57.5553, 54.3950, 68.4244

Square

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



45.5437, 54.3950, 59.7286



51.8757, 54.3950, 79.5785



58.3893, 54.3950, 58.7280



51.5263, 54.3950, 42.6795

Rectangle

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



45.5437, 54.3950, 59.7286



47.8104, 54.3950, 74.8307



58.3893, 54.3950, 58.7280



55.7968, 54.3950, 45.9587

Sweetspot

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



45.5453, 54.3972, 59.7298



88.2278, 96.5474, 105.6715



43.7447, 53.8940, 40.4455



18.7646, 20.6045, 22.5593



0.0000, 0.0000, 0.0000



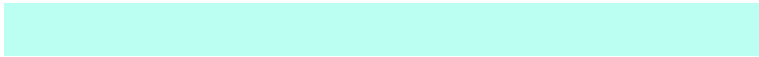
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5453, 54.3972, 59.7298



72.0020, 88.3602, 96.8918



43.4580, 48.5442, 64.2089



11.4455, 12.6879, 13.9033



17.8461, 28.8837, 26.9381



0.9454, 1.5000, 1.5198

Inverse Universe

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



44.1056, 40.0825, 41.9735



69.2120, 60.5936, 62.4615



45.7897, 44.7366, 38.5702



11.3006, 11.2490, 12.1174



15.9402, 8.1867, 2.1380



0.8496, 0.4332, 0.2538

Previews

White Background



This preview shows how the XYZ color 45.5437, 54.3950, 59.7286 looks on a white background.

Color Contrast Check

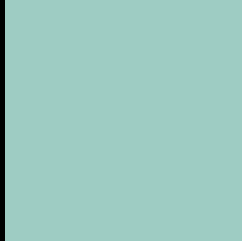
Large Text (above 18pt) WCAG AA × Fail

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 45.5437, 54.3950, 59.7286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

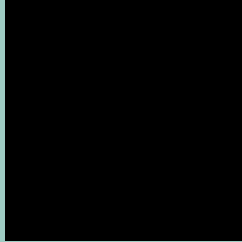
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5437, 54.3950, 59.7286

Background



This preview shows how black text looks on a background with the XYZ color 45.5437, 54.3950, 59.7286.

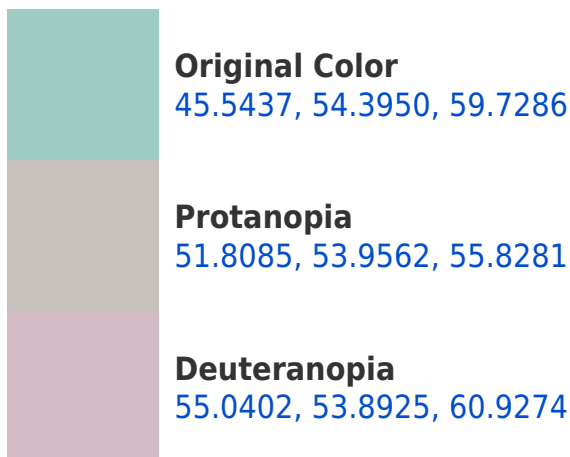


This preview shows how white text looks on a background with the XYZ color 45.5437, 54.3950,

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

48.3113, 54.4644, 73.6120

Trichromacy



Original Color

45.5437, 54.3950, 59.7286

Protanomaly

49.1374, 53.8844, 57.1011

Deuteranomaly

51.1081, 53.8213, 60.5182

Tritanomaly

47.3271, 54.4216, 68.3316

Monochromacy



Original Color

45.5437, 54.3950, 59.7286

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.0559, 51.8101, 56.8105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5437, 54.3950, 59.7286 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(158, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(158, 204, 195)  
}
```

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(158, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 204, 195) }
```

Border

The CSS property to change the border of an element to XYZ 45.5437, 54.3950, 59.7286 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(158, 204, 195) }
```


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

```
.border{ border-color:rgb(158, 204, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 204, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 204, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 204, 195); box-shadow:4px 4px 4px 4px rgb(158, 204, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5437, 54.3950, 59.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 204, 195) }
```

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

```
.background{ background-color: rgb(158,  
204, 195) }
```

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