

Converting Colors

XYZ(49.7701, 55.6006, 63.6280)

Have a look what the booklet for
XYZ(49.7701, 55.6006, 63.6280)
contains.

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Color

**XYZ(49.5607, 55.3374,
63.3274)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C9C9
RGB	177, 201, 201
RGB Percent	69%, 79%, 79%
CMY	0.3059, 0.2117, 0.2118
CMYK	0.12, 0.00, 0.00, 0.21
HSL	180°, 18%, 74%
HSV	180°, 12%, 79%
XYZ	49.5607, 55.3374, 63.3274
YIQ	193.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

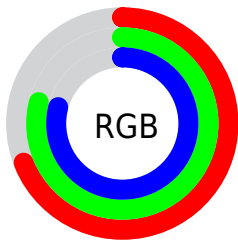
Format	Color
RYB	177, 189, 201
Decimal	11651529
CIELab	79.24, -8.05, -2.75
CIElCh	79, 8.510, 198.828
Yxy	55.3374, 0.2946, 0.3289
Android (android.graphics.Color)	4289841609 (0xFFB1C9C9)
YUV	193.8240, 3.5378, -14.7546
Hunter-Lab	74.3891, -11.2578, 1.5988

Details

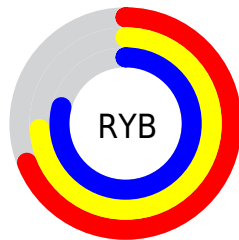
The XYZ color **49.5607, 55.3374, 63.3274** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7473, 47.0376, 48.1600**, and the grayscale version is **51.1612, 53.8255, 58.6160**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **24.0124, 27.2591, 31.5997** is the 20% darker color. If you saturate the color by 10%, you get **45.3155, 53.1505, 63.1284**, and if you desaturate by 10%, it is **54.4834, 57.8766, 63.5604**.

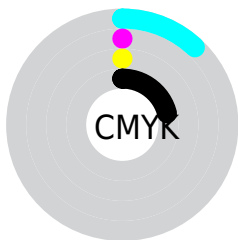
Distribution



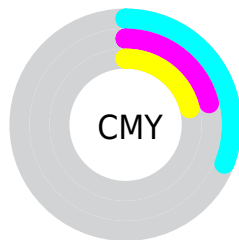
- Red (69%)
- Green (79%)
- Blue (79%)



- Red (69%)
- Yellow (74%)
- Blue (79%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5607, 55.3374, 63.3274 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 49.5607, 55.3374, 63.3274 by changing the saturation by 10% instead.

■ 49.5607, 55.3374,
63.3274

■ 49.5607, 55.3374,
63.3274

375.4260,
407.1896, 454.8973

■ 35.2808, 39.6719,
45.6634

■ 88.7194, 98.0351,
111.2318

■ 24.0468, 27.2828,
31.6336

114.3289,
125.8362, 142.3094

■ 15.4933, 17.7858,
20.8193

144.4457,
158.4512, 178.6952

■ 9.2549, 10.7963,
12.8020

179.4351,
196.2645, 220.8079

■ 4.9662, 5.9300,
7.1632

219.6624,
239.6607, 269.0658

■ 2.2620, 2.8026,
3.4844

265.4931,

■ 0.7751, 1.0295,

289.0240, 323.8877

1.3470

317.2925,
344.7388, 385.6920

■ 0.0000, 0.0000,
0.0998

■ 0.0000, 0.0000,
0.0000

■ 49.5607, 55.3374,
63.3274

■ 49.5607, 55.3374,
63.3274

■ 45.3155, 53.1505,
63.1284

■ 54.4834, 57.8766,
63.5604

■ 41.7138, 51.2937,
62.9584

■ 60.1065, 60.7754,
63.8250

■ 38.7255, 49.7532,
62.8171

■ 66.4576, 64.0495,
64.1237

■ 36.3166, 48.5114,
62.7029

■ 72.6715, 67.2528,
64.4160

■ 34.4494, 47.5489,
62.6140

■ 72.6718, 67.2529,
64.4175

■ 33.0820, 46.8440,
62.5486

■ 72.6721, 67.2531,
64.4189

■ 32.1665, 46.3721,
62.5043

■ 72.6724, 67.2532,
64.4204

■ 31.6453, 46.1034,
62.4784

■ 72.6727, 67.2533,
64.4219

■ 31.4279, 45.9914,
62.4671

■ 72.6729, 67.2534,
64.4234

Harmonies

Analogous

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



49.4521, 55.3374, 58.4560



49.5607, 55.3374, 63.3274



50.4723, 55.3374, 67.5838

Triad

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



49.5607, 55.3374, 63.3274



55.0975, 55.3374, 66.6334



53.2329, 55.3374, 51.5214

Complementary

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



49.5607, 55.3374, 63.3274



47.7473, 47.0376, 48.1600

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.



54.7796, 55.3374, 53.4725



49.5607, 55.3374, 63.3274



55.8715, 55.3374, 62.0865

Square

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



49.5607, 55.3374, 63.3274



53.6593, 55.3374, 69.5624



55.7539, 55.3374, 57.2798



51.5479, 55.3374, 51.8136

Rectangle

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



49.5607, 55.3374, 63.3274



51.4239, 55.3374, 69.4183



55.7539, 55.3374, 57.2798



53.7869, 55.3374, 51.9322

Sweetspot

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



49.5623, 55.3397, 63.3286



91.3963, 98.1164, 108.7280



47.0468, 54.3440, 49.6057



19.4202, 20.9276, 23.2656



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.



49.5623, 55.3397, 63.3286



83.1131, 93.8464, 108.3378



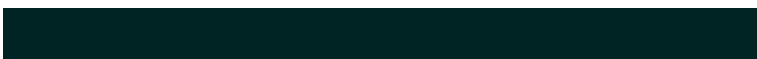
46.9594, 50.1334, 62.4627



10.9467, 12.0676, 13.6695



19.7598, 28.9163, 39.2752



0.9356, 1.3692, 1.8598

Inverse Universe

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



47.7473, 47.0376, 48.1600



79.4761, 77.2102, 77.9422



50.1368, 51.8171, 48.9551



10.6340, 10.6370, 11.0557



15.1454, 7.8077, 0.7093



0.7171, 0.3697, 0.0337

Previews

White Background



This preview shows how the XYZ color 49.5607, 55.3374, 63.3274 looks on a white background.

Color Contrast Check

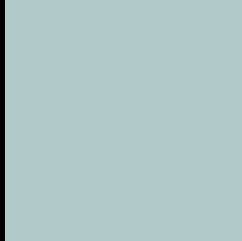
Large Text (above 18pt) WCAG AA × Fail

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 49.5607, 55.3374, 63.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

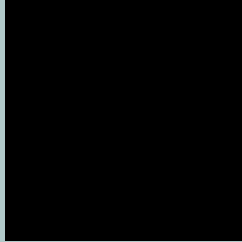
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5607, 55.3374, 63.3274

Background



This preview shows how black text looks on a background with the XYZ color 49.5607, 55.3374, 63.3274.

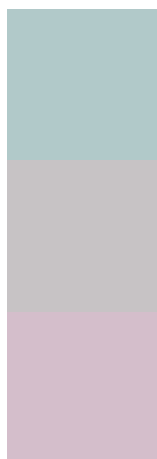


This preview shows how white text looks on a background with the XYZ color 49.5607, 55.3374,

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

49.5607, 55.3374, 63.3274

Protanopia

53.1463, 55.2035, 60.6776

Deuteranopia

56.3443, 55.1358, 64.1725



Tritanopia

51.2796, 55.3369, 72.2683

Trichromacy



Original Color

49.5607, 55.3374, 63.3274

Protanomaly

51.6452, 55.0861, 61.3368

Deuteranomaly

53.5056, 54.9900, 63.6712

Tritanomaly

50.6472, 55.4267, 69.0018

Monochromacy



Original Color

49.5607, 55.3374, 63.3274

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.7833, 54.6551, 60.6962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5607, 55.3374, 63.3274 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(177, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 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(177, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 201) }
```

Border

The CSS property to change the border of an element to XYZ 49.5607, 55.3374, 63.3274 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(177, 201, 201) }
```


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

```
.border{ border-color:rgb(177, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(177, 201,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5607, 55.3374, 63.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 201) }
```

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

```
.background{ background-color: rgb(177,  
201, 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](#).

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