

Converting Colors

XYZ(49.6841, 55.4842, 63.8258)

Have a look what the booklet for
XYZ(49.6841, 55.4842, 63.8258)
contains.

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Color

**XYZ(49.6788, 55.3847,
63.9491)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C9CA
RGB	177, 201, 202
RGB Percent	69%, 79%, 79%
CMY	0.3059, 0.2117, 0.2078
CMYK	0.12, 0.00, 0.00, 0.21
HSL	182°, 19%, 74%
HSV	182°, 12%, 79%
XYZ	49.6788, 55.3847, 63.9491
YIQ	193.9380, -14.6250, -4.7770

Conversions

Conversions Part 2

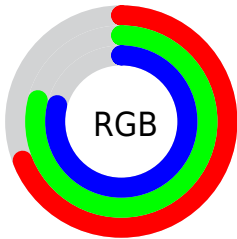
Format	Color
RYB	177, 189, 202
Decimal	11651530
CIELab	79.26, -7.85, -3.24
CIELCh	79, 8.496, 202.448
Yxy	55.3847, 0.2939, 0.3277
Android (android.graphics.Color)	4289841610 (0xFFB1C9CA)
YUV	193.9380, 3.9746, -14.8546
Hunter-Lab	74.4209, -11.0810, 1.1474

Details

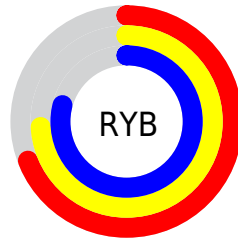
The XYZ color **49.6788, 55.3847, 63.9491** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2137, 47.5715, 48.2370**, and the grayscale version is **51.2263, 53.8940, 58.6906**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **24.0912, 27.2906, 32.0149** is the 20% darker color. If you saturate the color by 10%, you get **45.2272, 52.8132, 63.6883**, and if you desaturate by 10%, it is **54.8157, 58.3139, 64.2446**.

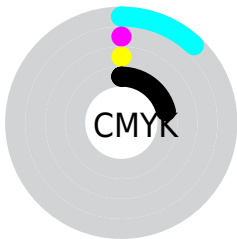
Distribution



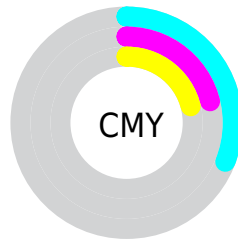
- Red (69%)
- Green (79%)
- Blue (79%)



- 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 49.6788, 55.3847, 63.9491 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 49.6788, 55.3847, 63.9491 by changing the saturation by 10% instead.

■ 49.6788, 55.3847,
63.9491

■ 49.6788, 55.3847,
63.9491

375.8813,
407.3685, 457.2082

■ 35.3750, 39.7098,
46.1635

■ 88.8935, 98.1044,
112.1364

■ 24.1198, 27.3124,
32.0253

114.5350,
125.9179, 143.3752

■ 15.5477, 17.8080,
21.1158

144.6866,
158.5465, 179.9355

■ 9.2935, 10.8122,
13.0166

179.7135,
196.3745, 222.2358

■ 4.9917, 5.9407,
7.3091

219.9810,
239.7863, 270.6947

■ 2.2771, 2.8091,
3.5748

265.8546,

■ 0.7829, 1.0329,

289.1663, 325.7307

1.3951

317.6996,
344.8989, 387.7624

■ 0.0000, 0.0000,
0.1379

■ 0.0000, 0.0000,
0.0000

■ 49.6788, 55.3847,
63.9491

■ 49.6788, 55.3847,
63.9491

■ 45.2272, 52.8132,
63.6883

■ 54.8157, 58.3139,
64.2446

■ 41.4262, 50.5771,
63.4570

■ 60.6611, 61.6083,
64.5724

■ 38.2454, 48.6622,
63.2550

■ 67.2429, 65.2838,
64.9350

■ 35.6502, 47.0506,
63.0807

■ 73.5477, 68.8180,
65.2848

33.6023, 45.7226,
62.9323

73.7399, 69.2025,
65.3489

32.0591, 44.6563,
62.8078

73.9332, 69.5890,
65.4133

30.9716, 43.8263,
62.7050

74.1274, 69.9775,
65.4781

30.2810, 43.2024,
62.6209

74.3227, 70.3680,
65.5432

29.9404, 42.8236,
62.5658

74.5189, 70.7605,
65.6086

Harmonies

Analogous

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



49.4681, 55.3847, 59.0830



49.6788, 55.3847, 63.9491



50.6749, 55.3847, 68.0324

Triad

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



49.6788, 55.3847, 63.9491



55.2749, 55.3847, 66.1900



53.0721, 55.3847, 51.4949

Complementary

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



49.6788, 55.3847, 63.9491



48.2137, 47.5715, 48.2370

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.



54.6583, 55.3847, 53.1852



49.6788, 55.3847, 63.9491



55.9478, 55.3847, 61.5428

Square

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



49.6788, 55.3847, 63.9491



53.8992, 55.3847, 69.3739



55.7197, 55.3847, 56.8011



51.4036, 55.3847, 52.0622

Rectangle

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



49.6788, 55.3847, 63.9491



51.6622, 55.3847, 69.6746



55.7197, 55.3847, 56.8011



53.6331, 55.3847, 51.8146

Sweetspot

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



49.6804, 55.3870, 63.9503



91.2668, 97.8572, 108.6858



47.2721, 54.7968, 50.1181



19.3873, 20.8617, 23.2548



0.0000, 0.0000, 0.0000



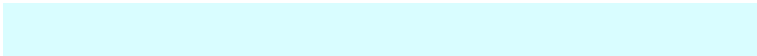
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6804, 55.3870, 63.9503



81.8663, 92.4840, 108.1441



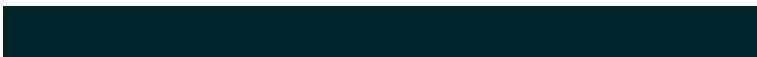
46.9191, 49.8643, 63.0299



11.5034, 12.6473, 14.4053



19.2822, 27.5883, 40.2651



1.0069, 1.4476, 2.0813

Inverse Universe

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



50.6232, 48.2190, 61.9001



83.7938, 77.8791, 103.9411



50.7796, 52.7033, 49.0923



11.6675, 11.3957, 14.0495



21.9437, 10.5881, 33.7516



1.1382, 0.5487, 1.7736

Previews

White Background



This preview shows how the XYZ color 49.6788, 55.3847, 63.9491 looks on a white background.

Color Contrast Check

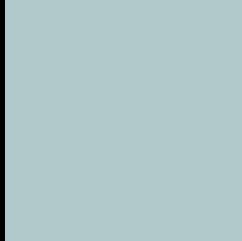
Large Text (above 18pt) WCAG AA × Fail

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 49.6788, 55.3847, 63.9491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

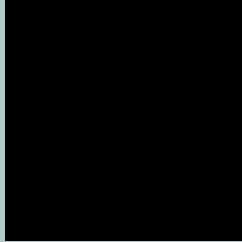
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6788, 55.3847, 63.9491

Background



This preview shows how black text looks on a background with the XYZ color 49.6788, 55.3847, 63.9491.

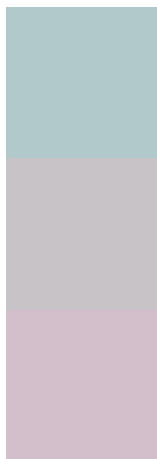


This preview shows how white text looks on a background with the XYZ color 49.6788, 55.3847,

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

49.6788, 55.3847, 63.9491

Protanopia

53.2613, 55.2495, 61.2831

Deuteranopia

56.1765, 55.0354, 64.7888



Tritanopia

51.2796, 55.3369, 72.2683

Trichromacy



Original Color

49.6788, 55.3847, 63.9491

Protanomaly

51.7609, 55.1324, 61.9464

Deuteranomaly

53.6245, 55.0375, 64.2969

Tritanomaly

50.6472, 55.4267, 69.0018

Monochromacy



Original Color

49.6788, 55.3847, 63.9491

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 49.6788, 55.3847, 63.9491 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.6788, 55.3847, 63.9491 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, 202) }
```


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

```
.border{ border-color:rgb(177, 201, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(177, 201,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6788, 55.3847, 63.9491 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, 202) }
```

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

```
.background{ background-color: rgb(177,  
201, 202) }
```

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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