

Converting Colors

XYZ(46.5497, 51.4381, 63.3407)

Have a look what the booklet for
XYZ(46.5497, 51.4381, 63.3407)
contains.

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Color

**XYZ(46.5300, 51.3939,
63.3447)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC2CA
RGB	170, 194, 202
RGB Percent	67%, 76%, 79%
CMY	0.3333, 0.2392, 0.2078
CMYK	0.16, 0.04, 0.00, 0.21
HSL	195°, 23%, 73%
HSV	195°, 16%, 79%
XYZ	46.5300, 51.3939, 63.3447
YIQ	187.7360, -16.8720, -2.6000

Conversions

Conversions Part 2

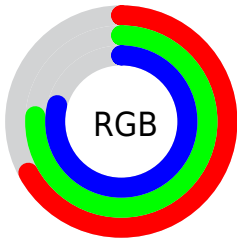
Format	Color
RYB	170, 184, 202
Decimal	11190986
CIELab	76.92, -6.44, -6.76
CIELCh	77, 9.335, 226.387
Yxy	51.3939, 0.2885, 0.3187
Android (android.graphics.Color)	4289381066 (0xFFAAC2CA)
YUV	187.7360, 7.0322, -15.5545
Hunter-Lab	71.6895, -9.6015, -2.2058

Details

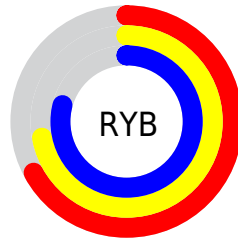
The XYZ color **46.5300, 51.3939, 63.3447** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5335, 47.2994, 44.6555**, and the grayscale version is **47.6196, 50.0996, 54.5584**.

A 20% lighter version of the original color is **83.5996, 91.7600, 107.9130**, and **22.0595, 24.6762, 31.6173** is the 20% darker color. If you saturate the color by 10%, you get **41.3902, 47.1058, 62.7887**, and if you desaturate by 10%, it is **52.3820, 56.1085, 63.9471**.

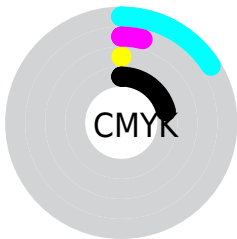
Distribution



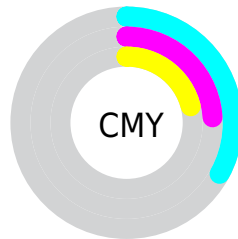
- Red (67%)
- Green (76%)
- Blue (79%)



- Red (67%)
- Yellow (72%)
- Blue (79%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5300, 51.3939, 63.3447 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 46.5300, 51.3939, 63.3447 by changing the saturation by 10% instead.

■ 46.5300, 51.3939,
63.3447

■ 46.5300, 51.3939,
63.3447

363.6157,
392.0922, 454.9617

■ 32.8706, 36.5222,
45.6773

■ 84.2347, 92.2368,
111.2570

■ 22.1861, 24.8378,
31.6445

109.0107,
118.9767, 142.3391

■ 14.1111, 15.9562,
20.8275

138.2229,
150.4415, 178.7298

■ 8.2802, 9.4932,
12.8080

172.2368,
187.0155, 220.8476

■ 4.3281, 5.0642,
7.1673

211.4177,
229.0833, 269.1112

■ 1.8894, 2.2850,
3.4869

256.1309,

■ 0.5706, 0.7658,

277.0290, 323.9391

1.3483

306.7418,
331.2372, 385.7497

■ 0.0000, 0.0000,
0.1009

■ 0.0000, 0.0000,
0.0000

■ 46.5300, 51.3939,
63.3447

■ 46.5300, 51.3939,
63.3447

■ 41.3902, 47.1058,
62.7887

■ 52.3820, 56.1085,
63.9471

■ 36.9271, 43.2213,
62.2742

■ 58.9706, 61.2587,
64.5939

■ 33.1089, 39.7249,
61.8006

■ 66.3246, 66.8612,
65.2877

■ 29.8996, 36.5973,
61.3660

■ 74.4698, 72.9299,
66.0298

■ 27.2590, 33.8174,
60.9686

■ 77.2964, 76.3156,
66.5343

■ 25.1423, 31.3612,
60.6061

■ 78.6355, 78.9937,
66.9807

■ 23.4971, 29.2014,
60.2759

■ 80.0149, 81.7524,
67.4405

■ 22.2586, 27.3039,
59.9749

■ 81.4349, 84.5925,
67.9138

■ 21.8111, 26.5648,
59.8559

■ 82.8959, 87.5145,
68.4008

Harmonies

Analogous

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



45.6442, 51.3939, 58.7647



46.5300, 51.3939, 63.3447



48.0489, 51.3939, 66.0152

Triad

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



46.5300, 51.3939, 63.3447



52.2438, 51.3939, 58.2932



47.8910, 51.3939, 47.0893

Complementary

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



46.5300, 51.3939, 63.3447



47.5335, 47.2994, 44.6555

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.



49.6567, 51.3939, 46.9801



46.5300, 51.3939, 63.3447



52.1991, 51.3939, 53.2445

Square

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



46.5300, 51.3939, 63.3447



51.3633, 51.3939, 62.9816



51.2425, 51.3939, 49.1713



46.4169, 51.3939, 49.4793

Rectangle

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



46.5300, 51.3939, 63.3447



49.2293, 51.3939, 66.2545



51.2425, 51.3939, 49.1713



48.4693, 51.3939, 46.7899

Sweetspot

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



46.5315, 51.3960, 63.3459



89.5057, 95.6453, 108.3517



45.6814, 53.9809, 49.8519



18.9967, 20.3443, 23.1756



0.0000, 0.0000, 0.0000



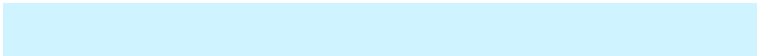
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5315, 51.3960, 63.3459



75.6748, 84.4571, 106.9211



43.2658, 44.8647, 62.2573



11.2966, 12.2337, 14.3363



14.1087, 17.2414, 38.5406



0.7857, 1.0052, 2.0076

Inverse Universe

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



48.4706, 45.2021, 57.2116



79.6053, 72.1324, 94.4356



50.7869, 53.8063, 45.7400



11.5631, 11.3540, 13.4998



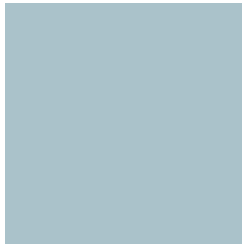
19.3323, 9.5435, 20.0005



1.0265, 0.5040, 1.1856

Previews

White Background



This preview shows how the XYZ color 46.5300, 51.3939, 63.3447 looks on a white background.

Color Contrast Check

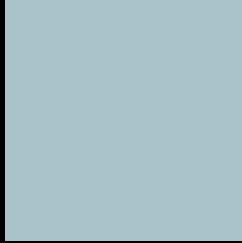
Large Text (above 18pt) WCAG AA × Fail

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 46.5300, 51.3939, 63.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

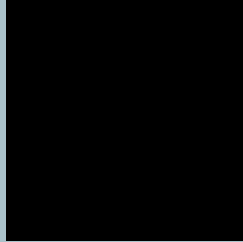
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

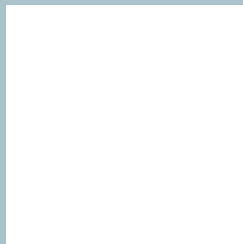
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5300, 51.3939, 63.3447

Background



This preview shows how black text looks on a background with the XYZ color 46.5300, 51.3939, 63.3447.



This preview shows how white text looks on a background with the XYZ color 46.5300, 51.3939,

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

46.5300, 51.3939, 63.3447

Protanopia

49.5272, 51.0371, 61.2736

Deuteranopia

52.1270, 51.0581, 64.2346



Tritanopia

47.2497, 51.3519, 67.0961

Trichromacy



Original Color

46.5300, 51.3939, 63.3447

Protanomaly

48.3672, 51.0643, 61.9508

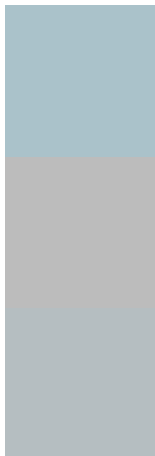
Deuteranomaly

49.9979, 51.2254, 63.7522

Tritanomaly

47.0051, 51.2541, 65.8081

Monochromacy



Original Color

46.5300, 51.3939, 63.3447

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0952, 50.5009, 57.7175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5300, 51.3939, 63.3447 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(170, 194, 202)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 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(170, 194, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 202) }
```

Border

The CSS property to change the border of an element to XYZ 46.5300, 51.3939, 63.3447 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(170, 194, 202) }
```


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

```
.border{ border-color:rgb(170, 194, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 202);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5300, 51.3939, 63.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 202) }
```

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

```
.background{ background-color: rgb(170,  
194, 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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