

Converting Colors

XYZ(42.5224, 50.8593, 63.2476)

Have a look what the booklet for
XYZ(42.5224, 50.8593, 63.2476)
contains.

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Color

**XYZ(42.5857, 51.0404,
63.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	90C7CA
RGB	144, 199, 202
RGB Percent	56%, 78%, 79%
CMY	0.4353, 0.2196, 0.2078
CMYK	0.29, 0.01, 0.00, 0.21
HSL	183°, 35%, 68%
HSV	183°, 29%, 79%
XYZ	42.5857, 51.0404, 63.4844
YIQ	182.8970, -33.7430, -10.7270

Conversions

Conversions Part 2

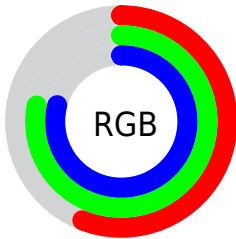
Format	Color
RYB	144, 172, 202
Decimal	9488330
CIELab	76.70, -16.98, -7.25
CIELCh	77, 18.466, 203.115
Yxy	51.0404, 0.2711, 0.3249
Android (android.graphics.Color)	4287678410 (0xFF90C7CA)
YUV	182.8970, 9.4178, -34.1127
Hunter-Lab	71.4426, -18.6237, -2.6757

Details

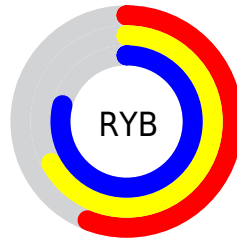
The XYZ color **42.5857, 51.0404, 63.4844** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8255, 35.4380, 31.1278**, and the grayscale version is **44.9178, 47.2570, 51.4629**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **19.7851, 24.6131, 31.7250** is the 20% darker color. If you saturate the color by 10%, you get **39.1294, 48.9045, 63.2551**, and if you desaturate by 10%, it is **46.6779, 53.5091, 63.7461**.

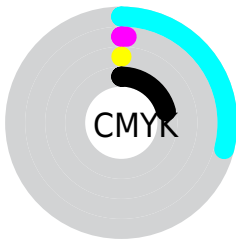
Distribution



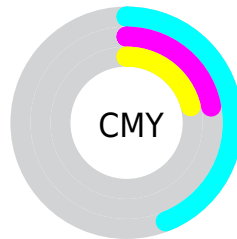
- Red (56%)
- Green (78%)
- Blue (79%)



- Red (56%)
- Yellow (67%)
- Blue (79%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (44%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5857, 51.0404, 63.4844 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 42.5857, 51.0404, 63.4844 by changing the saturation by 10% instead.

■ 42.5857, 51.0404,
63.4844

■ 42.5857, 51.0404,
63.4844

347.8556,
390.7207, 455.4816

■ 29.7533, 36.2408,
45.7897

■ 78.3449, 91.7145,
111.4604

■ 19.7985, 24.6202,
31.7324

■ 102.0024,
118.3577, 142.5787

■ 12.3561, 15.7943,
20.8941

129.9990,
149.7176, 179.0086

■ 7.0606, 9.3787,
12.8561

162.7000,
186.1786, 221.1688

■ 3.5467, 4.9890,
7.2000

200.4709,
228.1250, 269.4776

■ 1.4490, 2.2408,
3.5071

243.6768,

■ 0.2908, 0.7421,

275.9412, 324.3536

1.3591

292.6833,
330.0116, 386.2154

■ 0.0000, 0.0000,
0.1095

■ 0.0000, 0.0000,
0.0000

■ 42.5857, 51.0404,
63.4844

■ 42.5857, 51.0404,
63.4844

■ 39.1294, 48.9045,
63.2551

■ 46.6779, 53.5091,
63.7461

■ 36.2708, 47.0779,
63.0532

■ 51.4327, 56.3206,
64.0381

■ 33.9747, 45.5437,
62.8781

■ 56.8808, 59.4919,
64.3631

■ 32.2002, 44.2808,
62.7279

■ 63.0493, 63.0372,
64.7223

■ 30.9008, 43.2653,
62.6004

■ 69.9644, 66.9697,
65.1169

■ 30.0221, 42.4690,
62.4930

■ 73.7963, 69.3153,
65.3677

■ 29.4763, 41.8468,
62.4017

■ 74.0473, 69.8173,
65.4513

■ 29.4142, 41.7711,
62.3903

■ 74.3000, 70.3227,
65.5356

■ 74.5544, 70.8314,
65.6204

Harmonies

Analogous

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



42.1367, 51.0404, 53.2970



42.5857, 51.0404, 63.4844



44.5864, 51.0404, 72.4486

Triad

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



42.5857, 51.0404, 63.4844



54.0933, 51.0404, 67.9560



49.3231, 51.0404, 38.5606

Complementary

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



42.5857, 51.0404, 63.4844



39.8255, 35.4380, 31.1278

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.



52.6623, 51.0404, 41.5474



42.5857, 51.0404, 63.4844



55.5007, 51.0404, 57.9156

Square

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



42.5857, 51.0404, 63.4844



51.2010, 51.0404, 75.2393



54.9649, 51.0404, 48.3502



45.9196, 51.0404, 39.6743

Rectangle

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



42.5857, 51.0404, 63.4844



46.5849, 51.0404, 76.1190



54.9649, 51.0404, 48.3502



50.4922, 51.0404, 39.1051

Sweetspot

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



42.5872, 51.0425, 63.4856



86.7277, 95.1497, 108.4024



37.8818, 50.2748, 35.2712



18.2951, 20.2084, 23.1863



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.



42.5872, 51.0425, 63.4856



68.6095, 84.2720, 107.2578



36.5568, 38.9816, 61.4754



11.4917, 12.6238, 14.4013



18.9480, 26.9200, 40.1537



0.9931, 1.4199, 2.0767

Inverse Universe

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



44.6404, 36.6278, 58.7522



72.6349, 56.3109, 97.9105



44.8979, 45.5827, 32.8186



11.6615, 11.3933, 14.0182



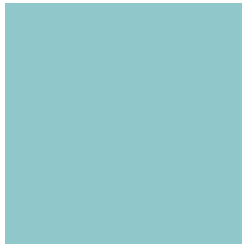
21.7750, 10.5206, 32.8634



1.1312, 0.5459, 1.7368

Previews

White Background



This preview shows how the XYZ color 42.5857, 51.0404, 63.4844 looks on a white background.

Color Contrast Check

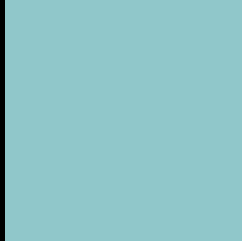
Large Text (above 18pt) WCAG AA × Fail

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 42.5857, 51.0404, 63.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

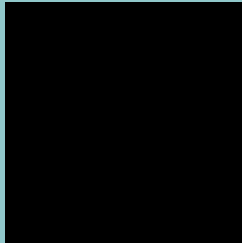
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5857, 51.0404, 63.4844

Background



This preview shows how black text looks on a background with the XYZ color 42.5857, 51.0404, 63.4844.

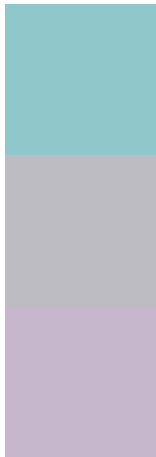


This preview shows how white text looks on a background with the XYZ color 42.5857, 51.0404,

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

42.5857, 51.0404, 63.4844

Protanopia

49.0688, 50.8537, 58.8593

Deuteranopia

51.5061, 50.4169, 64.7744



Tritanopia

44.0091, 50.9396, 70.4636

Trichromacy



Original Color

42.5857, 51.0404, 63.4844

Protanomaly

46.2763, 50.6607, 60.7656

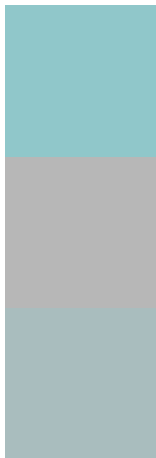
Deuteranomaly

47.6871, 50.3385, 64.3297

Tritanomaly

43.5568, 51.1026, 67.8897

Monochromacy



Original Color

42.5857, 51.0404, 63.4844

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8540, 48.5479, 55.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5857, 51.0404, 63.4844 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(144, 199, 202)` looks like.

```
.text, #text, p{  
    color:rgb(144, 199, 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(144, 199, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 199, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.5857, 51.0404, 63.4844 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(144, 199, 202) }
```


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

```
.border{ border-color:rgb(144, 199, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 199, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 199, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 199, 202);  
box-shadow:4px 4px 4px 4px rgb(144, 199,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5857, 51.0404, 63.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 199, 202) }
```

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

```
.background{ background-color: rgb(144,  
199, 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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