

Converting Colors

XYZ(51.3197, 63.8263, 70.7510)

Have a look what the booklet for
XYZ(51.3197, 63.8263, 70.7510)
contains.

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Color

**XYZ(51.2717, 63.8643,
70.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	9BDED2
RGB	155, 222, 210
RGB Percent	61%, 87%, 82%
CMY	0.3921, 0.1294, 0.1765
CMYK	0.30, 0.00, 0.05, 0.13
HSL	169°, 50%, 74%
HSV	169°, 30%, 87%
XYZ	51.2717, 63.8643, 70.5975
YIQ	200.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

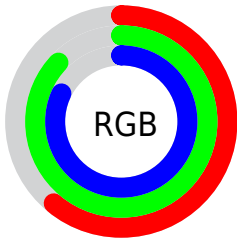
Format	Color
RYB	155, 192, 222
Decimal	10215122
CIELab	83.90, -23.56, -0.87
CIElCh	84, 23.578, 182.117
Yxy	63.8643, 0.2760, 0.3438
Android (android.graphics.Color)	4288405202 (0xFF9BDED2)
YUV	200.5990, 4.6347, -39.9903
Hunter-Lab	79.9151, -25.3300, 3.5635

Details

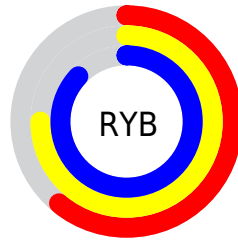
The XYZ color **51.2717, 63.8643, 70.5975** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8228, 41.7640, 42.0498**, and the grayscale version is **55.2589, 58.1367, 63.3108**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **25.1863, 32.8044, 36.4569** is the 20% darker color. If you saturate the color by 10%, you get **46.9076, 61.6727, 67.8399**, and if you desaturate by 10%, it is **56.4350, 66.4698, 73.4595**.

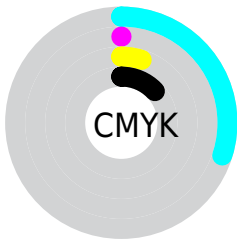
Distribution



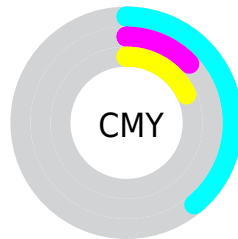
- Red (61%)
- Green (87%)
- Blue (82%)



- Red (61%)
- Yellow (75%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (39%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2717, 63.8643, 70.5975 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 51.2717, 63.8643, 70.5975 by changing the saturation by 10% instead.


 51.2717, 63.8643,
70.5975


 51.2717, 63.8643,
70.5975


381.9888,
438.6994, 481.4908

 36.6468, 46.5408,
51.5340


 91.2369, 110.4155,
121.7495

 25.1066, 32.6728,
36.2541


 117.3079,
140.4119, 154.6751

 16.2856, 21.8759,
24.3392

147.9249,
175.4015, 193.0585

 9.8186, 13.7657,
15.3709

183.4534,
215.7685, 237.3182

 5.3402, 7.9579,
8.9306

224.2587,
261.8974, 287.8727

 2.4850, 4.0680,
4.5998

270.7061,

 0.8877, 1.7117,

314.1726, 345.1406

1.9598

323.1610,
372.9785, 409.5405

■ 0.0000, 0.4312,
0.5304

■ 0.0000, 0.0000,
0.0000

■ 51.2717, 63.8643,
70.5975

■ 51.2717, 63.8643,
70.5975

■ 46.9076, 61.6727,
67.8399

■ 56.4350, 66.4698,
73.4595

■ 43.2943, 59.8651,
65.1800

■ 62.4319, 69.5019,
76.4239

■ 40.3862, 58.4197,
62.6163

■ 69.3012, 72.9823,
79.4943

■ 38.1309, 57.3093,
60.1462

■ 77.0778, 76.9290,
82.6728

■ 36.4682, 56.5031,
57.7662

■ 81.6294, 79.2117,
85.7665

■ 35.3267, 55.9643,
55.4725

■ 82.1941, 79.4375,
88.7401

■ 34.5902, 55.6320,
53.2980

■ 82.7716, 79.6685,
91.7812

■ 83.3620, 79.9047,
94.8903

■ 83.9655, 80.1461,
98.0678

Harmonies

Analogous

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



52.3070, 63.8643, 57.0185



51.2717, 63.8643, 70.5975



52.6412, 63.8643, 85.8517

Triad

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



51.2717, 63.8643, 70.5975



66.1583, 63.8643, 96.6376



65.4849, 63.8643, 47.2263

Complementary

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



51.2717, 63.8643, 70.5975



48.8228, 41.7640, 42.0498

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.



69.5444, 63.8643, 55.4329



51.2717, 63.8643, 70.5975



69.9484, 63.8643, 83.7663

Square

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



51.2717, 63.8643, 70.5975



61.0701, 63.8643, 102.1577



71.2210, 63.8643, 68.4879



60.3335, 63.8643, 44.7252

Rectangle

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



51.2717, 63.8643, 70.5975



54.7816, 63.8643, 94.5999



71.2210, 63.8643, 68.4879



67.0324, 63.8643, 49.3454

Sweetspot

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



51.2735, 63.8669, 70.5990



86.4500, 95.6422, 105.0792



48.0359, 62.8582, 40.6125



18.2263, 20.3309, 22.3615



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.



51.2735, 63.8669, 70.5990



66.4195, 85.5334, 94.3259



47.5405, 53.9170, 77.0117



14.0057, 15.5280, 17.0652



20.5825, 33.0579, 31.8543



1.4546, 2.3025, 2.3549

Inverse Universe

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



48.8228, 41.7640, 42.0498



62.5748, 50.8063, 49.4992



51.6106, 49.0338, 37.7557



13.8070, 13.7404, 14.7538



18.1474, 9.3260, 2.1761



1.2878, 0.6584, 0.3084

Previews

White Background



This preview shows how the XYZ color 51.2717, 63.8643, 70.5975 looks on a white background.

Color Contrast Check

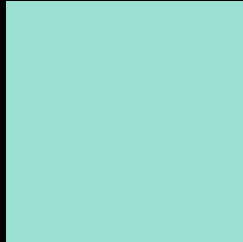
Large Text (above 18pt) WCAG AA × Fail

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 51.2717, 63.8643, 70.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

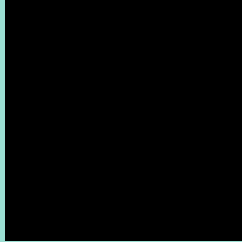
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

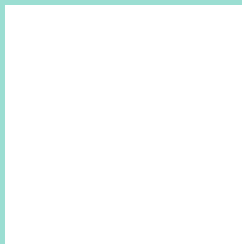
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2717, 63.8643, 70.5975

Background



This preview shows how black text looks on a background with the XYZ color 51.2717, 63.8643, 70.5975.



This preview shows how white text looks on a background with the XYZ color 51.2717, 63.8643,

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

51.2717, 63.8643, 70.5975

Protanopia

60.7050, 63.1861, 64.8737

Deuteranopia

64.6222, 63.2649, 72.4237



Tritanopia

54.9097, 63.7760, 88.7728

Trichromacy



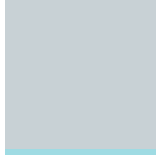
Original Color

51.2717, 63.8643, 70.5975



Protanomaly

56.5552, 62.8322, 66.9047



Deuteranomaly

58.6301, 62.6844, 71.9599



Tritanomaly

53.4947, 63.5800, 82.1257

Monochromacy



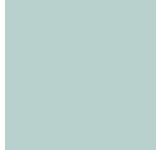
Original Color

51.2717, 63.8643, 70.5975



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.4667, 60.1509, 65.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2717, 63.8643, 70.5975 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(155, 222, 210)` looks like.

```
.text, #text, p{  
    color:rgb(155, 222, 210)  
}
```

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(155, 222, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 222, 210) }
```

Border

The CSS property to change the border of an element to XYZ 51.2717, 63.8643, 70.5975 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(155, 222, 210) }
```


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

```
.border{ border-color:rgb(155, 222, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 222, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 222, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 222, 210);  
box-shadow:4px 4px 4px 4px rgb(155, 222,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2717, 63.8643, 70.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 222, 210) }
```

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

```
.background{ background-color: rgb(155,  
222, 210) }
```

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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