

Converting Colors

XYZ(51.0175, 62.5103, 90.2657)

Have a look what the booklet for
XYZ(51.0175, 62.5103, 90.2657)
contains.

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Color

**XYZ(51.0175, 62.5103,
90.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	87DCEE
RGB	135, 220, 238
RGB Percent	53%, 86%, 93%
CMY	0.4706, 0.1372, 0.0667
CMYK	0.43, 0.08, 0.00, 0.07
HSL	190°, 75%, 73%
HSV	190°, 43%, 93%
XYZ	51.0175, 62.5103, 90.2657
YIQ	196.6370, -56.4380, -12.4220

Conversions

Conversions Part 2

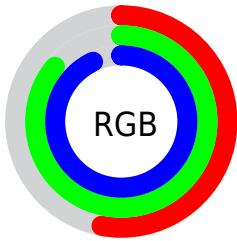
Format	Color
RYB	135, 182, 238
Decimal	8903918
CIELab	83.18, -21.17, -16.87
CIElCh	83, 27.073, 218.558
Yxy	62.5103, 0.2503, 0.3067
Android (android.graphics.Color)	4287093998 (0xFF87DCEE)
YUV	196.6370, 20.3920, -54.0556
Hunter-Lab	79.0635, -23.1798, -12.3462

Details

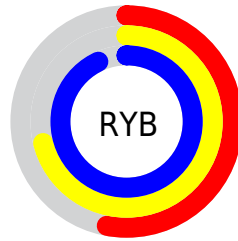
The XYZ color **51.0175, 62.5103, 90.2657** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.0256, 42.7101, 28.4780**, and the grayscale version is **52.7592, 55.5068, 60.4469**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **24.9592, 31.8654, 49.0911** is the 20% darker color. If you saturate the color by 10%, you get **46.5303, 58.5981, 89.7482**, and if you desaturate by 10%, it is **56.3916, 66.9228, 90.8353**.

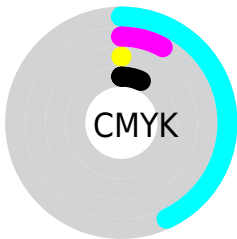
Distribution



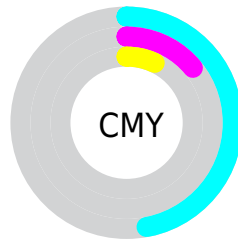
- Red (53%)
- Green (86%)
- Blue (93%)



- Red (53%)
- Yellow (71%)
- Blue (93%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (47%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0175, 62.5103, 90.2657 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 51.0175, 62.5103, 90.2657 by changing the saturation by 10% instead.

51.0175, 62.5103,
90.2657

51.0175, 62.5103,
90.2657

381.0183,
433.7901, 549.4872

36.4436, 45.4452,
67.6261

90.8635, 108.4627,
149.6462

24.9487, 31.8082,
49.1288

116.8663,
138.1188, 187.2241

16.1674, 21.2150,
34.3553

147.4095,
172.7406, 230.6185

9.7343, 13.2813,
22.8872

182.8584,
212.7126, 280.2480

5.2840, 7.6225,
14.3057

223.5784,
258.4192, 336.5310

2.4513, 3.8544,
8.1924

269.9348,

0.8708, 1.5924,

310.2447, 399.8862

4.1288

322.2930,
368.5735, 470.7321

■ 0.0000, 0.3525,
1.6963

■ 0.0000, 0.0000,
0.3582

■ 51.0175, 62.5103,
90.2657

■ 51.0175, 62.5103,
90.2657

■ 46.5303, 58.5981,
89.7482

■ 56.3916, 66.9228,
90.8353

■ 42.8662, 55.1489,
89.2755

■ 62.6994, 71.8558,
91.4550

■ 39.9622, 52.1313,
88.8461

■ 69.9911, 77.3370,
92.1286

■ 37.7433, 49.5063,
88.4564

■ 78.3117, 83.3897,
92.8584

■ 36.1182, 47.2265,
88.1020

■ 87.7034, 90.0361,
93.6462

■ 35.2660, 45.8394,
87.8792

■ 89.3122, 92.7119,
94.0779

■ 90.5843, 95.2561,
94.5020

■ 91.8849, 97.8572,
94.9355

■ 92.4328, 98.9531,
95.1181

Harmonies

Analogous

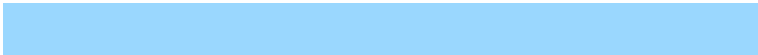
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9368, 62.5103, 72.9875



51.0175, 62.5103, 90.2657



55.3827, 62.5103, 102.8035

Triad

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



51.0175, 62.5103, 90.2657



70.5517, 62.5103, 80.5776



57.7503, 62.5103, 40.8400

Complementary

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



51.0175, 62.5103, 90.2657



51.0256, 42.7101, 28.4780

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.



63.6367, 62.5103, 42.1903



51.0175, 62.5103, 90.2657



71.2894, 62.5103, 63.3653

Square

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



51.0175, 62.5103, 90.2657



66.7309, 62.5103, 96.6003



68.6850, 62.5103, 49.8370



52.6528, 62.5103, 45.7849

Rectangle

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



51.0175, 62.5103, 90.2657



59.1305, 62.5103, 105.7634



68.6850, 62.5103, 49.8370



59.6988, 62.5103, 40.5918

Sweetspot

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



51.0194, 62.5127, 90.2672



82.0681, 90.6055, 107.7709



46.2489, 68.5738, 40.5777



17.1384, 19.0765, 23.0288



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.



51.0194, 62.5127, 90.2672



54.9414, 69.0040, 105.0311



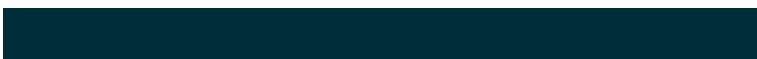
39.6760, 39.8259, 86.4860



15.9987, 17.4315, 20.2430



19.7599, 25.7441, 49.0555



1.7049, 2.2638, 4.1013

Inverse Universe

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



56.8438, 40.6742, 72.5676



62.7900, 41.0940, 80.8393



61.1482, 62.9554, 31.8522



16.3288, 15.9812, 19.2876



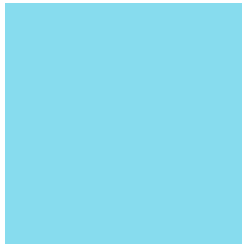
25.2995, 12.3922, 30.5574



2.1355, 1.0432, 2.7044

Previews

White Background



This preview shows how the XYZ color 51.0175, 62.5103, 90.2657 looks on a white background.

Color Contrast Check

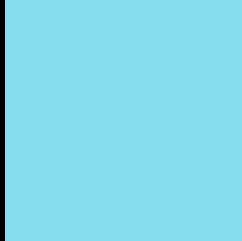
Large Text (above 18pt) WCAG AA × Fail

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 51.0175, 62.5103, 90.2657 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 51.0175, 62.5103, 90.2657

Background



This preview shows how black text looks on a background with the XYZ color 51.0175, 62.5103, 90.2657.



This preview shows how white text looks on a background with the XYZ color 51.0175, 62.5103,

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

51.0175, 62.5103, 90.2657

Protanopia

60.4635, 61.9606, 82.1716

Deuteranopia

63.2082, 61.7394, 92.5899



Tritanopia

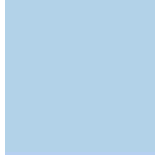
51.0175, 62.5103, 90.2657

Trichromacy



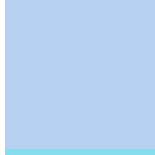
Original Color

51.0175, 62.5103, 90.2657



Protanomaly

55.9722, 61.3844, 85.2422



Deuteranomaly

57.7245, 61.4077, 92.0296



Tritanomaly

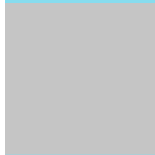
51.0175, 62.5103, 90.2657

Monochromacy



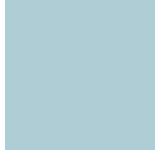
Original Color

51.0175, 62.5103, 90.2657



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.1705, 57.4148, 70.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0175, 62.5103, 90.2657 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(135, 220, 238)` looks like.

```
.text, #text, p{  
    color:rgb(135, 220, 238)  
}
```

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(135, 220, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 220, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.0175, 62.5103, 90.2657 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(135, 220, 238) }
```


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

```
.border{ border-color:rgb(135, 220, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 220, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 220, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 220, 238);  
box-shadow:4px 4px 4px 4px rgb(135, 220,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0175, 62.5103, 90.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 220, 238) }
```

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

```
.background{ background-color: rgb(135,  
220, 238) }
```

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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