

Converting Colors

XYZ(50.6101, 62.5125, 87.9970)

Have a look what the booklet for
XYZ(50.6101, 62.5125, 87.9970)
contains.

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Color

**XYZ(50.5803, 62.3355,
87.9633)**

Conversions

Conversions Part 1

Format	Color
Hex	87DCEB
RGB	135, 220, 235
RGB Percent	53%, 86%, 92%
CMY	0.4706, 0.1372, 0.0784
CMYK	0.43, 0.06, 0.00, 0.08
HSL	189°, 71%, 73%
HSV	189°, 43%, 92%
XYZ	50.5803, 62.3355, 87.9633
YIQ	196.2950, -55.4750, -13.3550

Conversions

Conversions Part 2

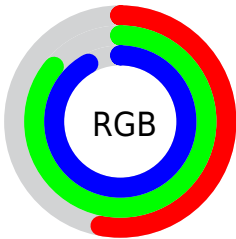
Format	Color
RYB	135, 181, 235
Decimal	8903915
CIELab	83.09, -21.94, -15.42
CIELCh	83, 26.815, 215.111
Yxy	62.3355, 0.2518, 0.3103
Android (android.graphics.Color)	4287093995 (0xFF87DCEB)
YUV	196.2950, 19.0816, -53.7557
Hunter-Lab	78.9528, -23.8133, -10.7895

Details

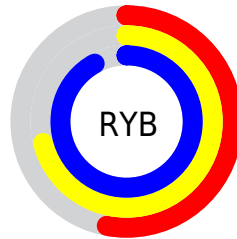
The XYZ color **50.5803, 62.3355, 87.9633** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.5416, 41.2252, 28.2695**, and the grayscale version is **52.5609, 55.2982, 60.2197**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **24.6524, 31.7427, 47.4755** is the 20% darker color. If you saturate the color by 10%, you get **46.2936, 58.7682, 87.5018**, and if you desaturate by 10%, it is **55.7247, 66.3768, 88.4733**.

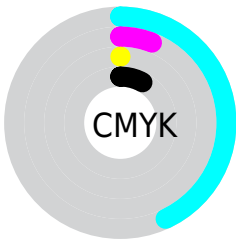
Distribution



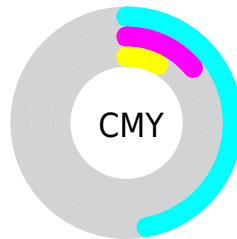
- Red (53%)
- Green (86%)
- Blue (92%)



- Red (53%)
- Yellow (71%)
- Blue (92%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5803, 62.3355, 87.9633 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 50.5803, 62.3355, 87.9633 by changing the saturation by 10% instead.

50.5803, 62.3355,
87.9633

50.5803, 62.3355,
87.9633

379.3455,
433.1538, 541.7812

36.0944, 45.3038,
65.7285

90.2208, 108.2103,
146.4168

24.6775, 31.6968,
47.5970

116.1060,
137.8222, 183.4725

15.9644, 21.1300,
33.1501

146.5218,
172.3963, 226.3056

9.5897, 13.2191,
21.9694

181.8334,
212.3170, 275.3347

5.1879, 7.5796,
13.6363

222.4063,
257.9687, 330.9783

2.3938, 3.8271,
7.7323

268.6056,

0.8420, 1.5773,

309.7359, 393.6549

3.8388

320.7970,
368.0028, 463.7830

■ 0.0000, 0.3422,
1.5373

■ 0.0000, 0.0000,
0.2455

■ 50.5803, 62.3355,
87.9633

■ 50.5803, 62.3355,
87.9633

■ 46.2936, 58.7682,
87.5018

■ 55.7247, 66.3768,
88.4733

■ 42.8034, 55.6389,
87.0817


■ 61.7717, 70.9110,
89.0298


■ 40.0490, 52.9175,
86.7016


■ 68.7698, 75.9649,
89.6364

■ 37.9588, 50.5669,
86.3581


■ 76.7622, 81.5609,
90.2953


 36.4459, 48.5422,
86.0470


 85.7896, 87.7200,
91.0084

 35.5934, 47.1938,
85.8316

 87.7357, 90.2584,
91.3957

 88.7900, 92.3670,
91.7472

 89.8646, 94.5163,
92.1054

 90.9596, 96.7063,
92.4704

Harmonies

Analogous

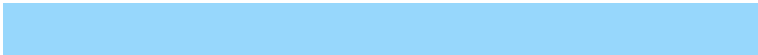
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8139, 62.3355, 70.7597



50.5803, 62.3355, 87.9633



54.6746, 62.3355, 101.1865

Triad

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



50.5803, 62.3355, 87.9633



69.9580, 62.3355, 82.2310



58.2595, 62.3355, 40.7582

Complementary

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



50.5803, 62.3355, 87.9633



49.5416, 41.2252, 28.2695

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.



64.0696, 62.3355, 42.8141



50.5803, 62.3355, 87.9633



71.0722, 62.3355, 65.0654

Square

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



50.5803, 62.3355, 87.9633



65.9008, 62.3355, 97.5165



68.8534, 62.3355, 51.1009



53.0588, 62.3355, 44.9424

Rectangle

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



50.5803, 62.3355, 87.9633



58.3020, 62.3355, 104.9541



68.8534, 62.3355, 51.1009



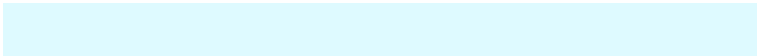
60.2042, 62.3355, 40.7505

Sweetspot

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



50.5822, 62.3379, 87.9648



82.3226, 91.1146, 107.8558



45.0732, 66.7175, 38.6594



17.2018, 19.2033, 23.0499



0.0000, 0.0000, 0.0000



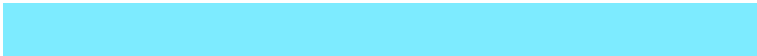
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5822, 62.3379, 87.9648



56.3504, 71.2768, 105.3956



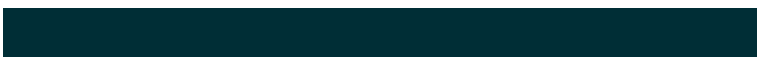
39.6778, 40.5291, 84.3300



15.3140, 16.7145, 19.3413



19.8841, 26.4152, 47.7936



1.6136, 2.1787, 3.7704

Inverse Universe

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



55.8448, 40.1591, 72.5209



63.6343, 41.9414, 83.7144



58.9058, 59.9537, 31.3909



15.6121, 15.2727, 18.5084



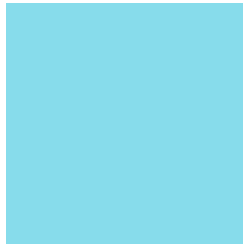
24.8919, 12.1594, 31.5615



1.9810, 0.9654, 2.6172

Previews

White Background



This preview shows how the XYZ color 50.5803, 62.3355, 87.9633 looks on a white background.

Color Contrast Check

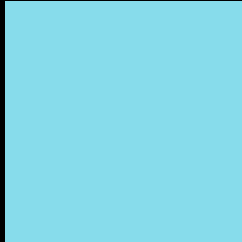
Large Text (above 18pt) WCAG AA × Fail

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 50.5803, 62.3355, 87.9633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

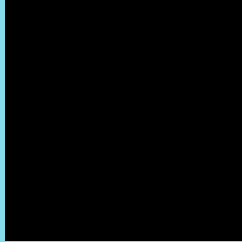
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5803, 62.3355, 87.9633

Background



This preview shows how black text looks on a background with the XYZ color 50.5803, 62.3355, 87.9633.

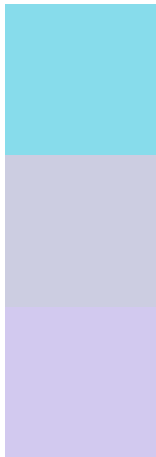


This preview shows how white text looks on a background with the XYZ color 50.5803, 62.3355,

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

50.5803, 62.3355, 87.9633

Protanopia

60.3238, 61.9363, 80.0097

Deuteranopia

63.0450, 61.7069, 90.2492



Tritanopia

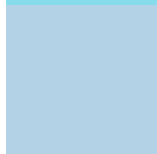
51.0326, 62.5351, 89.5015

Trichromacy



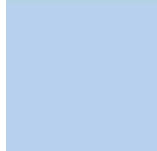
Original Color

50.5803, 62.3355, 87.9633



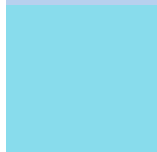
Protanomaly

55.7799, 61.3340, 83.0275



Deuteranomaly

57.5169, 61.3521, 89.6996



Tritanomaly

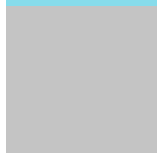
50.8869, 62.4768, 88.7341

Monochromacy



Original Color

50.5803, 62.3355, 87.9633



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.9197, 57.3145, 69.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5803, 62.3355, 87.9633 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(135, 220, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 220, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.5803, 62.3355, 87.9633 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, 235) }
```


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

```
.border{ border-color:rgb(135, 220, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 220, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 220, 235);  
box-shadow:4px 4px 4px 4px rgb(135, 220,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5803, 62.3355, 87.9633 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, 235) }
```

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

```
.background{ background-color: rgb(135,  
220, 235) }
```

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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