

Converting Colors

XYZ(47.8935, 61.7006, 71.6725)

Have a look what the booklet for
XYZ(47.8935, 61.7006, 71.6725)
contains.

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Color

**XYZ(47.8935, 61.7006,
71.6725)**

Conversions

Conversions Part 1

Format	Color
Hex	88DDD4
RGB	136, 221, 212
RGB Percent	53%, 87%, 83%
CMY	0.4667, 0.1333, 0.1686
CMYK	0.38, 0.00, 0.04, 0.13
HSL	174°, 56%, 70%
HSV	174°, 38%, 87%
XYZ	47.8935, 61.7006, 71.6725
YIQ	194.5590, -47.7710, -20.8190

Conversions

Conversions Part 2

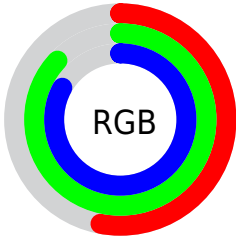
Format	Color
RYB	136, 181, 221
Decimal	8969684
CIELab	82.75, -27.79, -3.71
CIELCh	83, 28.033, 187.610
Yxy	61.7006, 0.2642, 0.3404
Android (android.graphics.Color)	4287159764 (0xFF88DDD4)
YUV	194.5590, 8.5984, -51.3562
Hunter-Lab	78.5497, -28.6266, 0.8858

Details

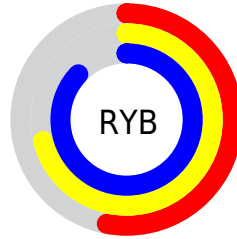
The XYZ color **47.8935, 61.7006, 71.6725** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.7360, 35.0267, 31.2462**, and the grayscale version is **51.5819, 54.2682, 59.0980**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **23.0303, 31.4122, 36.7476** is the 20% darker color. If you saturate the color by 10%, you get **44.3750, 59.9221, 69.9788**, and if you desaturate by 10%, it is **52.1599, 63.8672, 73.4262**.

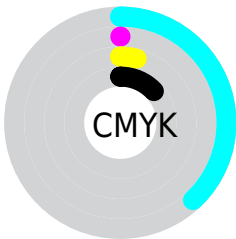
Distribution



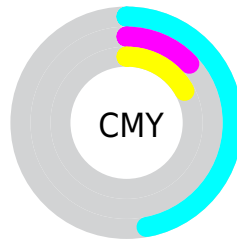
- Red (53%)
- Green (87%)
- Blue (83%)



- Red (53%)
- Yellow (71%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8935, 61.7006, 71.6725 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 47.8935, 61.7006, 71.6725 by changing the saturation by 10% instead.

■ 47.8935, 61.7006,
71.6725

■ 47.8935, 61.7006,
71.6725

368.9595,
430.8381, 485.3478

■ 33.9535, 44.7908,
52.4060

■ 86.2565, 107.2927,
123.2942

■ 23.0206, 31.2927,
36.9443

■ 111.4101,
136.7438, 156.4864

■ 14.7295, 20.8218,
24.8689

■ 141.0323,
171.1441, 195.1577

■ 8.7148, 12.9938,
15.7613

175.4885,
210.8781, 239.7265

■ 4.6113, 7.4243,
9.2029

215.1439,
256.3301, 290.6113

■ 2.0534, 3.7288,
4.7751

260.3640,

■ 0.6637, 1.5231,

307.8845, 348.2308

2.0595

311.5140,
365.9257, 413.0034

■ 0.0000, 0.3049,
0.5915

■ 0.0000, 0.0000,
0.0000

■ 47.8935, 61.7006,
71.6725

■ 47.8935, 61.7006,
71.6725

■ 44.3750, 59.9221,
69.9788

■ 52.1599, 63.8672,
73.4262

■ 41.5531, 58.5008,
68.3387

■ 57.2107, 66.4361,
75.2377

■ 39.3788, 57.4128,
66.7510

■ 63.0865, 69.4298,
77.1103

■ 37.7942, 56.6283,
65.2130

■ 69.8234, 72.8670,
79.0459

■ 36.7311, 56.1122,
63.7214

■ 77.4557, 76.7652,
81.0461

■ 36.0882, 55.8122,
62.2713

■ 80.8312, 78.4684,
82.8698

■ 36.0041, 55.7736,
62.0508

■ 81.1547, 78.5979,
84.5737

■ 81.4827, 78.7290,
86.3007

■ 81.8151, 78.8620,
88.0510

Harmonies

Analogous

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



48.5706, 61.7006, 55.3181



47.8935, 61.7006, 71.6725



49.9365, 61.7006, 89.5355

Triad

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



47.8935, 61.7006, 71.6725



66.0037, 61.7006, 97.0458



63.1696, 61.7006, 40.9338

Complementary

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



47.8935, 61.7006, 71.6725



43.7360, 35.0267, 31.2462

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.



68.3103, 61.7006, 48.8971



47.8935, 61.7006, 71.6725



70.0232, 61.7006, 80.6302

Square

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



47.8935, 61.7006, 71.6725



60.1924, 61.7006, 105.7315



70.8950, 61.7006, 62.8821



57.1235, 61.7006, 39.3664

Rectangle

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



47.8935, 61.7006, 71.6725



52.6544, 61.7006, 99.2780



70.8950, 61.7006, 62.8821



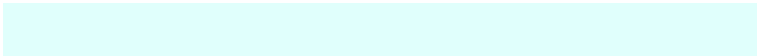
65.0727, 61.7006, 42.8762

Sweetspot

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



47.8953, 61.7031, 71.6739



84.1571, 94.4443, 105.6895



42.1416, 59.5963, 32.5761



17.7818, 20.0971, 22.5487



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.



47.8953, 61.7031, 71.6739



62.3055, 83.3432, 97.2624



41.2788, 46.6016, 75.2287



13.3823, 14.8046, 16.4763



20.9398, 32.4085, 36.1777



1.3740, 2.1066, 2.4356

Inverse Universe

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



43.7360, 35.0267, 31.2462



55.8004, 41.5570, 33.9865



48.3755, 45.3730, 29.5021



13.1118, 13.0738, 13.8501



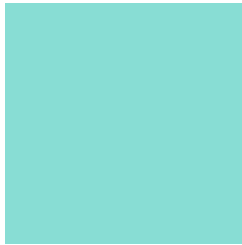
17.4344, 8.9748, 1.4014



1.1488, 0.5892, 0.1928

Previews

White Background



This preview shows how the XYZ color 47.8935, 61.7006, 71.6725 looks on a white background.

Color Contrast Check

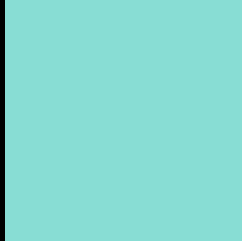
Large Text (above 18pt) WCAG AA × Fail

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 47.8935, 61.7006, 71.6725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

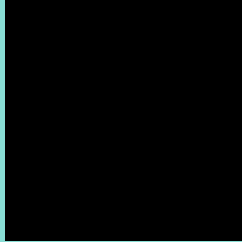
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8935, 61.7006, 71.6725

Background



This preview shows how black text looks on a background with the XYZ color 47.8935, 61.7006, 71.6725.



This preview shows how white text looks on a background with the XYZ color 47.8935, 61.7006,

71.6725.

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

47.8935, 61.7006, 71.6725

Protanopia

58.5480, 61.0053, 64.5665

Deuteranopia

62.4630, 61.0722, 74.1416



Tritanopia

51.2221, 61.8917, 87.8439

Trichromacy



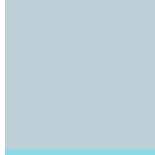
Original Color

47.8935, 61.7006, 71.6725



Protanomaly

53.4786, 60.4945, 67.2505



Deuteranomaly

55.5648, 60.3508, 73.0103



Tritanomaly

50.0119, 61.7845, 81.9627

Monochromacy



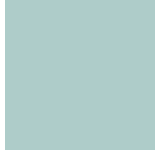
Original Color

47.8935, 61.7006, 71.6725



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.5910, 56.4014, 63.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8935, 61.7006, 71.6725 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(136, 221, 212)` looks like.

```
.text, #text, p{  
    color:rgb(136, 221, 212)  
}
```

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(136, 221, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 221, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.8935, 61.7006, 71.6725 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(136, 221, 212) }
```


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

```
.border{ border-color:rgb(136, 221, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 221, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 221, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 221, 212);  
box-shadow:4px 4px 4px 4px rgb(136, 221,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8935, 61.7006, 71.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 221, 212) }
```

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

```
.background{ background-color: rgb(136,  
221, 212) }
```

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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