

Converting Colors

XYZ(47.4696, 62.2698, 68.5873)

Have a look what the booklet for
XYZ(47.4696, 62.2698, 68.5873)
contains.

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Color

**XYZ(47.4817, 62.3487,
68.5634)**

Conversions

Conversions Part 1

Format	Color
Hex	86DFCF
RGB	134, 223, 207
RGB Percent	53%, 87%, 81%
CMY	0.4745, 0.1255, 0.1882
CMYK	0.40, 0.00, 0.07, 0.13
HSL	169°, 58%, 70%
HSV	169°, 40%, 87%
XYZ	47.4817, 62.3487, 68.5634
YIQ	194.5650, -47.9080, -23.8440

Conversions

Conversions Part 2

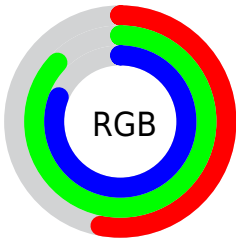
Format	Color
RYB	134, 183, 223
Decimal	8839119
CIELab	83.10, -30.41, -0.57
CIELCh	83, 30.420, 181.065
Yxy	62.3487, 0.2662, 0.3495
Android (android.graphics.Color)	4287029199 (0xFF86DFCF)
YUV	194.5650, 6.1305, -53.1155
Hunter-Lab	78.9612, -30.8448, 3.7903

Details

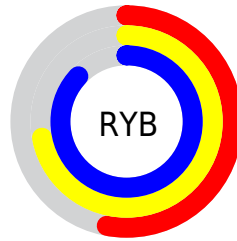
The XYZ color **47.4817, 62.3487, 68.5634** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.4637, 34.9419, 33.2576**, and the grayscale version is **51.5997, 54.2869, 59.1184**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **22.7104, 31.5570, 35.0311** is the 20% darker color. If you saturate the color by 10%, you get **43.8116, 60.5142, 65.8662**, and if you desaturate by 10%, it is **51.9172, 64.5795, 71.3642**.

Distribution



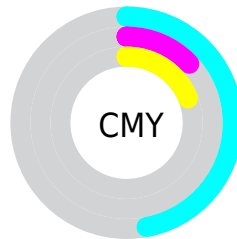
- Red (53%)
- Green (87%)
- Blue (81%)



- Red (53%)
- Yellow (72%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4817, 62.3487, 68.5634 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 47.4817, 62.3487, 68.5634 by changing the saturation by 10% instead.

 47.4817, 62.3487,
68.5634

 47.4817, 62.3487,
68.5634


367.3509,
433.2019, 474.1418


 33.6262, 45.3145,
49.8867


 85.6466, 108.2293,
118.8196

 22.7681, 31.7052,
34.9528


 110.6866,
137.8446, 151.2361

 14.5421, 21.1365,
23.3433


 140.1856,
172.4223, 189.0697

 8.5829, 13.2238,
14.6395

174.5087,
212.3469, 232.7388

 4.5250, 7.5828,
8.4230

214.0215,
258.0028, 282.6621

 2.0032, 3.8292,
4.2751

259.0892,

 0.6358, 1.5785,

309.7743, 339.2579

1.7775

310.0772,
368.0459, 402.9450

■ 0.0000, 0.3430,
0.4130

■ 0.0000, 0.0000,
0.0000

■ 47.4817, 62.3487,
68.5634

■ 47.4817, 62.3487,
68.5634

■ 43.8116, 60.5142,
65.8662

■ 51.9172, 64.5795,
71.3642

■ 40.8541, 59.0440,
63.2655

■ 57.1562, 67.2215,
74.2666

■ 38.5577, 57.9133,
60.7597

■ 63.2407, 70.2979,
77.2746

■ 36.8621, 57.0909,
58.3457

■ 70.2081, 73.8279,
80.3903

■ 35.6954, 56.5397,
56.0194

■ 78.0935, 77.8298,
83.6158

■ 34.9327, 56.1954,
53.7747

■ 82.0610, 79.8104,
86.7252

■ 34.9264, 56.1926,
53.7548

■ 82.6341, 80.0397,
89.7435

■ 83.2204, 80.2742,
92.8306

■ 83.8198, 80.5139,
95.9870

Harmonies

Analogous

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



48.8563, 62.3487, 51.8117



47.4817, 62.3487, 68.5634



49.0635, 62.3487, 88.3695

Triad

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



47.4817, 62.3487, 68.5634



66.0368, 62.3487, 103.9246



65.5997, 62.3487, 40.8411

Complementary

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



47.4817, 62.3487, 68.5634



44.4637, 34.9419, 33.2576

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.



70.7808, 62.3487, 50.8428



47.4817, 62.3487, 68.5634



71.0461, 62.3487, 86.9849

Square

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



47.4817, 62.3487, 68.5634



59.4962, 62.3487, 110.9777



72.8422, 62.3487, 67.2153



59.0255, 62.3487, 37.7038

Rectangle

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



47.4817, 62.3487, 68.5634



51.6547, 62.3487, 100.1791



72.8422, 62.3487, 67.2153



67.5786, 62.3487, 43.4076

Sweetspot

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



47.4835, 62.3512, 68.5648



83.8013, 94.3020, 103.8157



43.3287, 61.0133, 32.0486



17.6975, 20.0634, 22.1051



0.0000, 0.0000, 0.0000



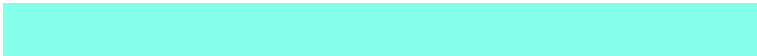
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4835, 62.3512, 68.5648



60.0767, 82.3568, 89.8151



42.6268, 49.3464, 77.0930



14.0053, 15.5278, 17.0631



20.5736, 33.0543, 31.8073



1.4540, 2.3023, 2.3520

Inverse Universe

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



44.4637, 34.9419, 33.2576



55.4564, 40.2791, 35.6897



47.6893, 43.3165, 28.4029



13.8074, 13.7406, 14.7557



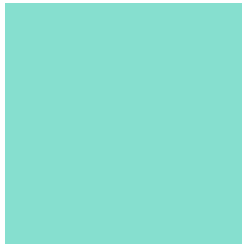
18.1490, 9.3266, 2.1844



1.2880, 0.6585, 0.3094

Previews

White Background



This preview shows how the XYZ color 47.4817, 62.3487, 68.5634 looks on a white background.

Color Contrast Check

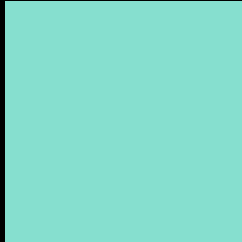
Large Text (above 18pt) WCAG AA × Fail

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 47.4817, 62.3487, 68.5634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

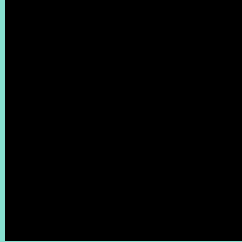
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

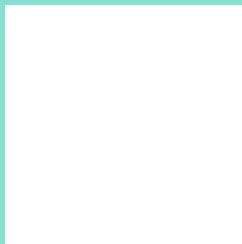
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4817, 62.3487, 68.5634

Background



This preview shows how black text looks on a background with the XYZ color 47.4817, 62.3487, 68.5634.

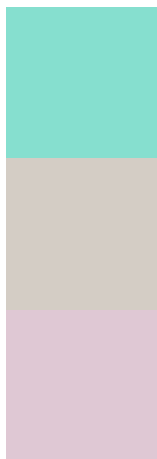


This preview shows how white text looks on a background with the XYZ color 47.4817, 62.3487,

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

47.4817, 62.3487, 68.5634

Protanopia

59.0607, 61.6909, 61.6180

Deuteranopia

62.9694, 61.7500, 70.8875



Tritanopia

51.6272, 62.4699, 88.6937

Trichromacy



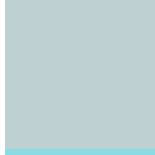
Original Color

47.4817, 62.3487, 68.5634



Protanomaly

53.8533, 61.4944, 64.2896



Deuteranomaly

55.6746, 60.8413, 69.7819



Tritanomaly

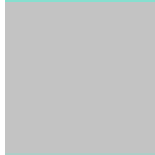
49.8313, 62.1116, 80.5965

Monochromacy



Original Color

47.4817, 62.3487, 68.5634



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.3737, 56.6704, 62.3690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4817, 62.3487, 68.5634 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(134, 223, 207)` looks like.

```
.text, #text, p{  
    color:rgb(134, 223, 207)  
}
```

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(134, 223, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 223, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.4817, 62.3487, 68.5634 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(134, 223, 207) }
```


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

```
.border{ border-color:rgb(134, 223, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 223, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 223, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 223, 207);  
box-shadow:4px 4px 4px 4px rgb(134, 223,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4817, 62.3487, 68.5634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 223, 207) }
```

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

```
.background{ background-color: rgb(134,  
223, 207) }
```

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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