

Converting Colors

XYZ(47.9774, 60.0187, 77.9387)

Have a look what the booklet for
XYZ(47.9774, 60.0187, 77.9387)
contains.

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Color

**XYZ(47.9893, 60.0505,
78.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	87D9DE
RGB	135, 217, 222
RGB Percent	53%, 85%, 87%
CMY	0.4706, 0.1490, 0.1294
CMYK	0.39, 0.02, 0.00, 0.13
HSL	183°, 57%, 70%
HSV	183°, 39%, 87%
XYZ	47.9893, 60.0505, 78.1688
YIQ	193.0520, -50.4770, -15.8290

Conversions

Conversions Part 2

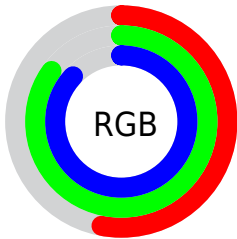
Format	Color
RYB	135, 177, 222
Decimal	8903134
CIELab	81.87, -23.69, -10.35
CIELCh	82, 25.854, 203.597
Yxy	60.0505, 0.2577, 0.3225
Android (android.graphics.Color)	4287093214 (0xFF87D9DE)
YUV	193.0520, 14.2714, -50.9116
Hunter-Lab	77.4923, -25.0702, -5.5630

Details

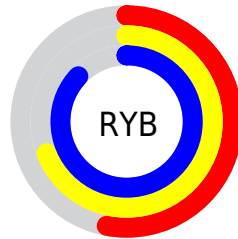
The XYZ color **47.9893, 60.0505, 78.1688** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.8763, 36.0357, 27.5661**, and the grayscale version is **50.6606, 53.2989, 58.0425**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **23.1198, 30.2929, 41.1878** is the 20% darker color. If you saturate the color by 10%, you get **44.4562, 57.7444, 77.9109**, and if you desaturate by 10%, it is **52.2733, 62.7503, 78.4652**.

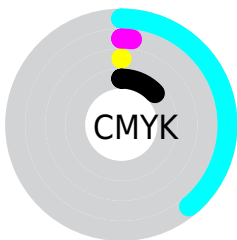
Distribution



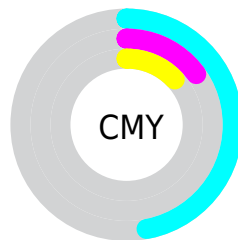
- Red (53%)
- Green (85%)
- Blue (87%)



- Red (53%)
- Yellow (69%)
- Blue (87%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9893, 60.0505, 78.1688 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 47.9893, 60.0505, 78.1688 by changing the saturation by 10% instead.

■ 47.9893, 60.0505,
78.1688

■ 47.9893, 60.0505,
78.1688

369.3330,
424.7839, 508.2830

■ 34.0296, 43.4593,
57.6954

■ 86.3983, 104.9029,
132.5761

■ 23.0794, 30.2457,
41.1507

■ 111.5783,
133.9330, 167.3470

■ 14.7731, 20.0251,
28.1163

■ 141.2291,
167.8781, 207.7209

■ 8.7456, 12.4133,
18.1735

175.7161,
207.1227, 254.1162

■ 4.6314, 7.0258,
10.9039

215.4046,
252.0512, 306.9516

■ 2.0652, 3.4783,
5.8889

260.6601,

■ 0.6702, 1.3862,

303.0480, 366.6454

2.7099

311.8477,
360.4974, 433.6164

■ 0.0000, 0.2065,
0.9484

■ 0.0000, 0.0000,
0.0000

■ 47.9893, 60.0505,
78.1688

■ 47.9893, 60.0505,
78.1688

■ 44.4562, 57.7444,
77.9109

■ 52.2733, 62.7503,
78.4652

■ 41.6218, 55.8009,
77.6852

■ 57.3453, 65.8587,
78.7978

■ 39.4361, 54.1955,
77.4905

■ 63.2466, 69.3984,
79.1700

■ 37.8400, 52.8978,
77.3242

■ 70.0140, 73.3884,
79.5835

■ 36.7635, 51.8718,
77.1828

■ 77.6820, 77.8464,
80.0398

■ 36.0945, 51.0595,
77.0613

■ 81.2572, 80.1984,
80.3054

■ 36.0465, 50.9969,
77.0518

■ 81.6026, 80.8891,
80.4205

■ 81.9505, 81.5850,
80.5365

■ 82.3011, 82.2861,
80.6533

Harmonies

Analogous

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



47.2696, 60.0505, 62.0898



47.9893, 60.0505, 78.1688



51.0719, 60.0505, 92.6808

Triad

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



47.9893, 60.0505, 78.1688



65.9462, 60.0505, 84.8925



58.2546, 60.0505, 39.8341

Complementary

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



47.9893, 60.0505, 78.1688



43.8763, 36.0357, 27.5661

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.



63.5335, 60.0505, 44.0551



47.9893, 60.0505, 78.1688



68.1532, 60.0505, 68.7943

Square

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



47.9893, 60.0505, 78.1688



61.3810, 60.0505, 96.9751



67.2433, 60.0505, 54.0766



52.9775, 60.0505, 41.5289

Rectangle

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



47.9893, 60.0505, 78.1688



54.1636, 60.0505, 98.6622



67.2433, 60.0505, 54.0766



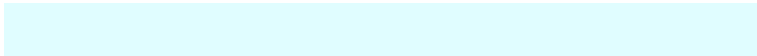
60.0914, 60.0505, 40.5831

Sweetspot

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



47.9911, 60.0529, 78.1702



84.1164, 93.5348, 108.2284



40.8000, 59.2689, 33.8514



17.7721, 19.8813, 23.1507



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.



47.9911, 60.0529, 78.1702



61.6686, 79.5890, 106.7197



38.3428, 40.7563, 74.9541



14.0456, 15.4303, 17.6258



21.4391, 30.3478, 45.7761



1.5069, 2.1452, 3.1799

Inverse Universe

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



51.3140, 37.8687, 70.2531



66.8861, 45.4143, 94.1412



51.4011, 51.0853, 30.0743



14.2592, 13.9213, 17.1353



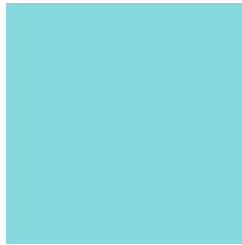
24.7617, 11.9717, 37.0063



1.7269, 0.8340, 2.6204

Previews

White Background



This preview shows how the XYZ color 47.9893, 60.0505, 78.1688 looks on a white background.

Color Contrast Check

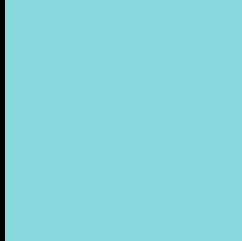
Large Text (above 18pt) WCAG AA × Fail

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 47.9893, 60.0505, 78.1688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

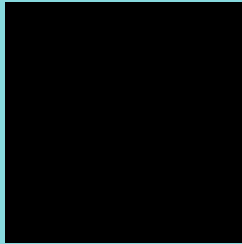
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9893, 60.0505, 78.1688

Background



This preview shows how black text looks on a background with the XYZ color 47.9893, 60.0505, 78.1688.

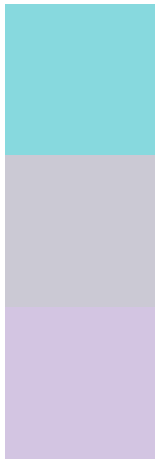


This preview shows how white text looks on a background with the XYZ color 47.9893, 60.0505,

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

47.9893, 60.0505, 78.1688

Protanopia

57.3989, 59.2233, 70.6933

Deuteranopia

60.5577, 59.2724, 80.2005



Tritanopia

49.4897, 59.8873, 86.0418

Trichromacy



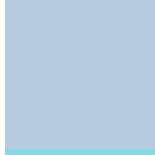
Original Color

47.9893, 60.0505, 78.1688



Protanomaly

53.0676, 59.0485, 73.5663



Deuteranomaly

54.7119, 58.6893, 79.6787



Tritanomaly

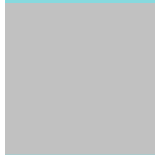
49.0153, 60.0872, 83.1434

Monochromacy



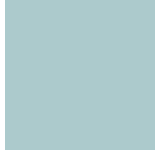
Original Color

47.9893, 60.0505, 78.1688



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

49.0329, 55.3713, 65.2302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9893, 60.0505, 78.1688 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, 217, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 217, 222)  
}
```

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, 217, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 217, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.9893, 60.0505, 78.1688 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, 217, 222) }
```


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

```
.border{ border-color:rgb(135, 217, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 217, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 217, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 217, 222); box-shadow:4px 4px 4px 4px rgb(135, 217, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9893, 60.0505, 78.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 217, 222) }
```

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

```
.background{ background-color: rgb(135,  
217, 222) }
```

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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