

Converting Colors

XYZ(47.7817, 59.9988, 83.5589)

Have a look what the booklet for
XYZ(47.7817, 59.9988, 83.5589)
contains.

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Color

**XYZ(47.7000, 59.7745,
83.8865)**

Conversions

Conversions Part 1

Format	Color
Hex	7ED9E6
RGB	126, 217, 230
RGB Percent	49%, 85%, 90%
CMY	0.5059, 0.1490, 0.0980
CMYK	0.45, 0.06, 0.00, 0.10
HSL	187°, 68%, 70%
HSV	187°, 45%, 90%
XYZ	47.7000, 59.7745, 83.8865
YIQ	191.2730, -58.4090, -15.2490

Conversions

Conversions Part 2

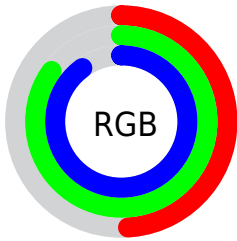
Format	Color
RYB	126, 175, 230
Decimal	8313318
CIELab	81.72, -23.85, -14.87
CIElCh	82, 28.104, 211.950
Yxy	59.7745, 0.2493, 0.3124
Android (android.graphics.Color)	4286503398 (0xFF7ED9E6)
YUV	191.2730, 19.0924, -57.2444
Hunter-Lab	77.3140, -25.1712, -10.2105

Details

The XYZ color **47.7000, 59.7745, 83.8865** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.6328, 36.7958, 24.4375**, and the grayscale version is **49.5982, 52.1812, 56.8253**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **22.9729, 30.1291, 45.1621** is the 20% darker color. If you saturate the color by 10%, you get **43.9564, 56.7555, 83.5021**, and if you desaturate by 10%, it is **52.2397, 63.2258, 84.3145**.

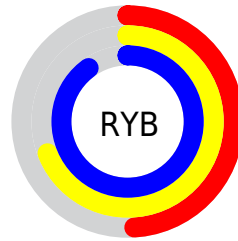
Distribution



Red (49%)

Green (85%)

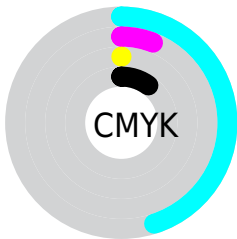
Blue (90%)



Red (49%)

Yellow (69%)

Blue (90%)

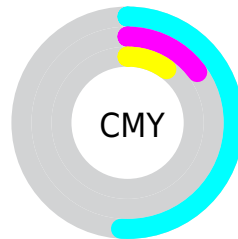


Cyan (45%)

Magenta (6%)

Yellow (0%)

Black (10%)



Cyan (51%)

Magenta (15%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7000, 59.7745, 83.8865 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 47.7000, 59.7745, 83.8865 by changing the saturation by 10% instead.

47.7000, 59.7745,
83.8865

47.7000, 59.7745,
83.8865

368.2042,
423.7661, 527.9845

33.7996, 43.2369,
62.3769

85.9700, 104.5025,
140.6767

22.9019, 30.0710,
44.8995

111.0703,
133.4617, 176.7944

14.6414, 19.8925,
31.0359

140.6346,
167.3301, 218.6185

8.6527, 12.3169,
20.3675

175.0283,
206.4923, 266.5676

4.5707, 6.9599,
12.4758

214.6168,
251.3326, 321.0602

2.0298, 3.4370,
6.9421

259.7654,

0.6506, 1.3639,

302.2354, 382.5148

3.3480

310.8394,
359.5851, 451.3501

■ 0.0000, 0.1899,
1.2750

■ 0.0000, 0.0000,
0.0411

■ 47.7000, 59.7745,
83.8865

■ 47.7000, 59.7745,
83.8865

■ 43.9564, 56.7555,
83.5021

■ 52.2397, 63.2258,
84.3145

■ 40.9493, 54.1339,
83.1546


■ 57.6192, 67.1279,
84.7841


■ 38.6193, 51.8804,
82.8424


■ 63.8854, 71.5064,
85.2990


■ 36.8953, 49.9581,
82.5623


■ 71.0800, 76.3830,
85.8611


 35.6899, 48.3219,
82.3100


 79.2422, 81.7780,
86.4722

 35.2293, 47.6056,
82.1960

 85.0176, 85.9622,
86.9754

 85.8438, 87.6147,
87.2508

 86.6834, 89.2938,
87.5307

 87.5364, 90.9999,
87.8150

Harmonies

Analogous

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



46.1888, 59.7745, 66.1990



47.7000, 59.7745, 83.8865



51.6320, 59.7745, 98.2689

Triad

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



47.7000, 59.7745, 83.8865



67.4535, 59.7745, 81.6331



56.4277, 59.7745, 37.6577

Complementary

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



47.7000, 59.7745, 83.8865



45.6328, 36.7958, 24.4375

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.



62.3313, 59.7745, 40.3634



47.7000, 59.7745, 83.8865



68.9549, 59.7745, 63.9821

Square

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



47.7000, 59.7745, 83.8865



63.0472, 59.7745, 96.8172



67.0204, 59.7745, 49.3250



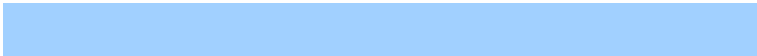
51.0056, 59.7745, 41.1749

Rectangle

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



47.7000, 59.7745, 83.8865



55.2361, 59.7745, 102.9542



67.0204, 59.7745, 49.3250



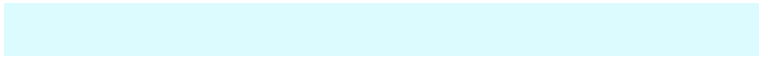
58.4214, 59.7745, 37.8678

Sweetspot

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



47.7018, 59.7768, 83.8879



81.7068, 91.0328, 107.8724



41.4996, 62.8694, 34.0449



17.0937, 19.2132, 23.0575



0.0000, 0.0000, 0.0000



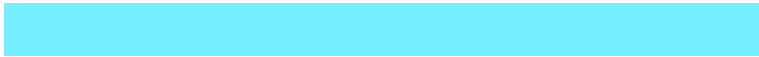
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7018, 59.7768, 83.8879



55.9399, 72.0494, 105.5663



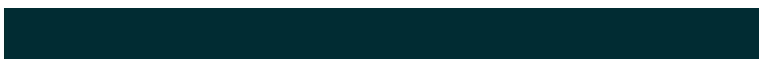
36.5007, 37.3745, 80.1542



14.6457, 16.0128, 18.4632



20.0066, 27.0754, 46.5548



1.5217, 2.0874, 3.4547

Inverse Universe

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



52.6199, 36.7561, 69.9694



63.0380, 40.2133, 85.1665



54.8428, 55.2156, 27.5075



14.9135, 14.5826, 17.7449



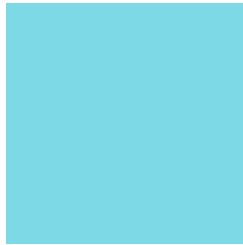
24.4919, 11.9310, 32.5491



1.8317, 0.8904, 2.5203

Previews

White Background



This preview shows how the XYZ color 47.7000, 59.7745, 83.8865 looks on a white background.

Color Contrast Check

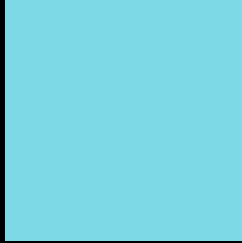
Large Text (above 18pt) WCAG AA × Fail

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 47.7000, 59.7745, 83.8865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

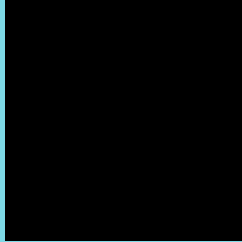
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7000, 59.7745, 83.8865

Background



This preview shows how black text looks on a background with the XYZ color 47.7000, 59.7745, 83.8865.

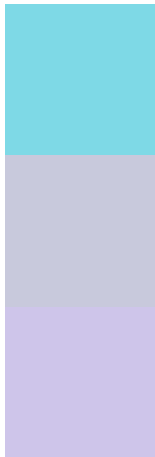


This preview shows how white text looks on a background with the XYZ color 47.7000, 59.7745,

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

47.7000, 59.7745, 83.8865

Protanopia

57.6243, 59.2200, 76.1036

Deuteranopia

60.2711, 58.9948, 86.0524



Tritanopia

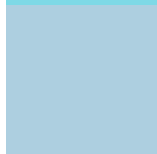
48.1595, 59.5643, 86.8007

Trichromacy



Original Color

47.7000, 59.7745, 83.8865



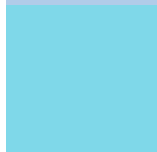
Protanomaly

53.0009, 58.8917, 79.0948



Deuteranomaly

54.4323, 58.4160, 85.4973



Tritanomaly

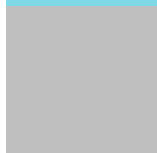
48.0162, 59.5070, 86.0461

Monochromacy



Original Color

47.7000, 59.7745, 83.8865



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.6101, 53.9318, 65.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7000, 59.7745, 83.8865 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(126, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(126, 217, 230)  
}
```

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(126, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 217, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.7000, 59.7745, 83.8865 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(126, 217, 230) }
```


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

```
.border{ border-color:rgb(126, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(126, 217,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7000, 59.7745, 83.8865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 217, 230) }
```

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

```
.background{ background-color: rgb(126,  
217, 230) }
```

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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