

Converting Colors

XYZ(47.6868, 59.4940, 86.4391)

Have a look what the booklet for
XYZ(47.6868, 59.4940, 86.4391)
contains.

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Color

**XYZ(47.7193, 59.3373,
86.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	7CD8EA
RGB	124, 216, 234
RGB Percent	49%, 85%, 92%
CMY	0.5137, 0.1529, 0.0823
CMYK	0.47, 0.08, 0.00, 0.08
HSL	190°, 72%, 70%
HSV	190°, 47%, 92%
XYZ	47.7193, 59.3373, 86.7801
YIQ	190.5440, -60.6100, -13.9060

Conversions

Conversions Part 2

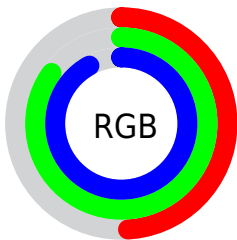
Format	Color
RYB	124, 174, 234
Decimal	8181994
CIELab	81.48, -22.76, -17.37
CIElCh	81, 28.633, 217.343
Yxy	59.3373, 0.2462, 0.3061
Android (android.graphics.Color)	4286372074 (0xFF7CD8EA)
YUV	190.5440, 21.4238, -58.3591
Hunter-Lab	77.0307, -24.2258, -12.8725

Details

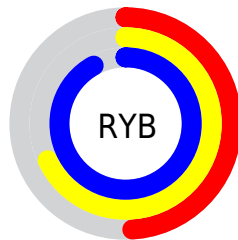
The XYZ color **47.7193, 59.3373, 86.7801** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.2440, 38.2948, 23.9720**, and the grayscale version is **49.1641, 51.7245, 56.3279**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.8951, 29.7941, 46.6636** is the 20% darker color. If you saturate the color by 10%, you get **43.7613, 55.8589, 86.3184**, and if you desaturate by 10%, it is **52.5061, 63.2796, 87.2898**.

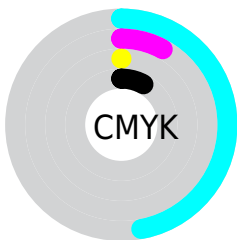
Distribution



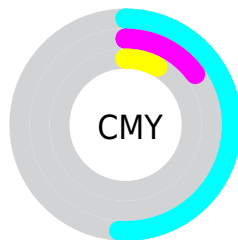
- Red (49%)
- Green (85%)
- Blue (92%)



- Red (49%)
- Yellow (68%)
- Blue (92%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7193, 59.3373, 86.7801 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 47.7193, 59.3373, 86.7801 by changing the saturation by 10% instead.

47.7193, 59.3373,
86.7801

47.7193, 59.3373,
86.7801

368.2796,
422.1508, 537.7974

33.8150, 42.8847,
64.7547

85.9985, 103.8677,
144.7538

22.9137, 29.7947,
46.8121

111.1042,
132.7144, 181.5391

14.6501, 19.6828,
32.5338

140.6743,
166.4611, 224.0814

8.6589, 12.1647,
21.5014

175.0743,
205.4924, 272.7993

4.5747, 6.8559,
13.2962

214.6694,
250.1926, 328.1113

2.0321, 3.3722,
7.4997

259.8251,

0.6519, 1.3290,

300.9462, 390.4360

3.6934

310.9067,
358.1374, 460.1918

■ 0.0000, 0.1635,
1.4587

■ 0.0000, 0.0000,
0.1869

■ 47.7193, 59.3373,
86.7801

■ 47.7193, 59.3373,
86.7801

■ 43.7613, 55.8589,
86.3184

■ 52.5061, 63.2796,
87.2898

■ 40.5689, 52.8075,
85.8977


■ 58.1683, 67.7060,
87.8457


■ 38.0783, 50.1514,
85.5162


■ 64.7556, 72.6436,
88.4516


■ 36.2129, 47.8509,
85.1705


■ 72.3122, 78.1156,
89.1095


 34.8735, 45.8546,
84.8558


 80.8796, 84.1435,
89.8215

 34.5269, 45.2913,
84.7653

 86.9510, 88.9197,
90.4234

 88.0838, 91.1852,
90.8010

 89.2404, 93.4984,
91.1865

 90.4210, 95.8597,
91.5801

Harmonies

Analogous

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



45.7182, 59.3373, 68.9214



47.7193, 59.3373, 86.7801



52.0724, 59.3373, 100.1237

Triad

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



47.7193, 59.3373, 86.7801



67.7219, 59.3373, 78.1815



54.9374, 59.3373, 37.0797

Complementary

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



47.7193, 59.3373, 86.7801



47.2440, 38.2948, 23.9720

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.



60.9575, 59.3373, 38.6749



47.7193, 59.3373, 86.7801



68.6243, 59.3373, 60.4789

Square

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



47.7193, 59.3373, 86.7801



63.6855, 59.3373, 94.5773



66.0706, 59.3373, 46.5764



49.6894, 59.3373, 41.7508

Rectangle

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



47.7193, 59.3373, 86.7801



55.8656, 59.3373, 103.5266



66.0706, 59.3373, 46.5764



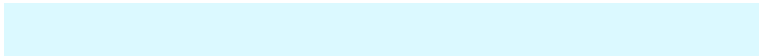
56.9345, 59.3373, 36.9174

Sweetspot

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



47.7211, 59.3396, 86.7815



81.2785, 90.1761, 107.7296



42.5070, 65.0403, 35.3200



16.9883, 19.0025, 23.0224



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.



47.7211, 59.3396, 86.7815



53.5115, 68.1857, 104.9485



36.1736, 36.2445, 82.9323



15.2957, 16.6778, 19.3352



19.4809, 25.6089, 47.6592



1.5857, 2.1228, 3.7610

Inverse Universe

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



53.5355, 36.8672, 69.2626



61.5699, 38.6980, 80.2965



57.1985, 58.2039, 27.2902



15.6028, 15.2690, 18.4596



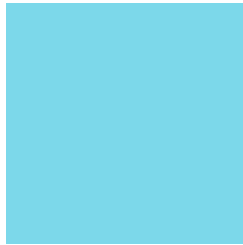
24.6884, 12.0780, 30.4900



1.9669, 0.9597, 2.5429

Previews

White Background



This preview shows how the XYZ color 47.7193, 59.3373, 86.7801 looks on a white background.

Color Contrast Check

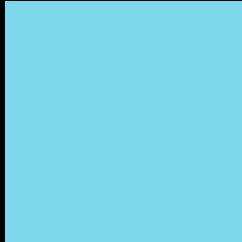
Large Text (above 18pt) WCAG AA × Fail

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 47.7193, 59.3373, 86.7801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

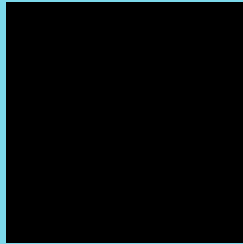
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7193, 59.3373, 86.7801

Background



This preview shows how black text looks on a background with the XYZ color 47.7193, 59.3373, 86.7801.

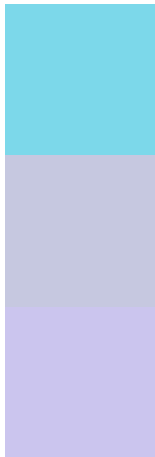


This preview shows how white text looks on a background with the XYZ color 47.7193, 59.3373,

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

47.7193, 59.3373, 86.7801

Protanopia

57.3975, 58.6961, 78.8253

Deuteranopia

60.0275, 58.8021, 89.0751



Tritanopia

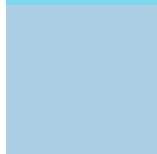
47.7193, 59.3373, 86.7801

Trichromacy



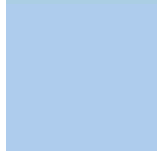
Original Color

47.7193, 59.3373, 86.7801



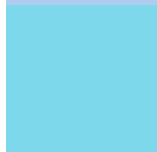
Protanomaly

52.8695, 58.4020, 81.8850



Deuteranomaly

54.3345, 58.2988, 88.5098



Tritanomaly

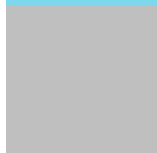
47.7193, 59.3373, 86.7801

Monochromacy



Original Color

47.7193, 59.3373, 86.7801



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.8531, 54.0290, 66.9380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7193, 59.3373, 86.7801 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(124, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(124, 216, 234)  
}
```

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(124, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.7193, 59.3373, 86.7801 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(124, 216, 234) }
```


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

```
.border{ border-color:rgb(124, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(124, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7193, 59.3373, 86.7801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 216, 234) }
```

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

```
.background{ background-color: rgb(124,  
216, 234) }
```

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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