

Converting Colors

XYZ(47.6126, 58.9197, 85.9540)

Have a look what the booklet for
XYZ(47.6126, 58.9197, 85.9540)
contains.

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Color

**XYZ(47.6126, 58.9197,
85.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	7ED7E9
RGB	126, 215, 233
RGB Percent	49%, 84%, 91%
CMY	0.5059, 0.1568, 0.0863
CMYK	0.46, 0.08, 0.00, 0.09
HSL	190°, 71%, 70%
HSV	190°, 46%, 91%
XYZ	47.6126, 58.9197, 85.9540
YIQ	190.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

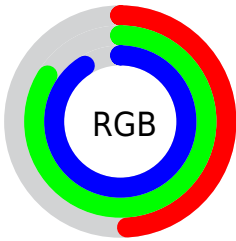
Format	Color
RYB	126, 175, 233
Decimal	8312809
CIELab	81.25, -22.07, -17.17
CIELCh	81, 27.966, 217.885
Yxy	58.9197, 0.2474, 0.3061
Android (android.graphics.Color)	4286502889 (0xFF7ED7E9)
YUV	190.4410, 20.9816, -56.5148
Hunter-Lab	76.7592, -23.6076, -12.6608

Details

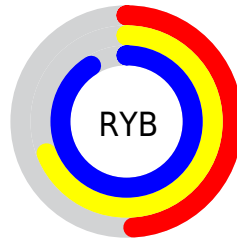
The XYZ color **47.6126, 58.9197, 85.9540** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.3446, 38.7776, 24.7298**, and the grayscale version is **49.1064, 51.6638, 56.2618**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **22.8214, 29.5092, 46.0880** is the 20% darker color. If you saturate the color by 10%, you get **43.5831, 55.3798, 85.4842**, and if you desaturate by 10%, it is **52.4697, 62.9244, 86.4720**.

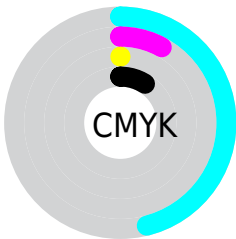
Distribution



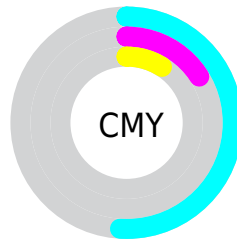
- Red (49%)
- Green (84%)
- Blue (91%)



- Red (49%)
- Yellow (69%)
- Blue (91%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6126, 58.9197, 85.9540 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 47.6126, 58.9197, 85.9540 by changing the saturation by 10% instead.

47.6126, 58.9197,
85.9540

47.6126, 58.9197,
85.9540

367.8627,
420.6043, 535.0062

33.7302, 42.5485,
64.0753

85.8405, 103.2609,
143.5913

22.8483, 29.5310,
46.2651

110.9167,
131.9998, 180.1869

14.6016, 19.4829,
32.1049

140.4549,
165.6299, 222.5252

8.6248, 12.0197,
21.1761

174.8204,
204.5358, 271.0247

4.5524, 6.7571,
13.0603

214.3785,
249.1017, 326.1041

2.0191, 3.3107,
7.3389

259.4948,

0.6447, 1.2960,

299.7122, 388.1818

3.5933

310.5344,
356.7516, 457.6763

■ 0.0000, 0.1381,
1.4050

■ 0.0000, 0.0000,
0.1456

■ 47.6126, 58.9197,
85.9540

■ 47.6126, 58.9197,
85.9540

■ 43.5831, 55.3798,
85.4842

■ 52.4697, 62.9244,
86.4720

■ 40.3192, 52.2686,
85.0557


■ 58.2001, 67.4136,
87.0365


■ 37.7589, 49.5551,
84.6668

■ 64.8524, 72.4141,
87.6511


■ 35.8277, 47.2006,
84.3142


■ 72.4700, 77.9485,
88.3178


 34.4336, 45.1575,
83.9933


 81.0938, 84.0380,
89.0387

 33.9574, 44.3817,
83.8686

 86.6742, 88.5952,
89.6242

 87.8310, 90.9090,
90.0099

 89.0129, 93.2728,
90.4038

 90.2200, 95.6869,
90.8062

Harmonies

Analogous

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



45.6162, 58.9197, 68.6588



47.6126, 58.9197, 85.9540



51.8868, 58.9197, 98.7249

Triad

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



47.6126, 58.9197, 85.9540



67.0406, 58.9197, 77.0133



54.4778, 58.9197, 37.3202

Complementary

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



47.6126, 58.9197, 85.9540



47.3446, 38.7776, 24.7298

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.



60.3280, 58.9197, 38.7729



47.6126, 58.9197, 85.9540



67.8541, 58.9197, 59.8498

Square

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



47.6126, 58.9197, 85.9540



63.1703, 58.9197, 92.9706



65.3219, 58.9197, 46.3911



49.3965, 58.9197, 42.0068

Rectangle

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



47.6126, 58.9197, 85.9540



55.5887, 58.9197, 101.8767



65.3219, 58.9197, 46.3911



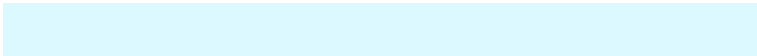
56.4161, 58.9197, 37.1242

Sweetspot

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



47.6144, 58.9220, 85.9554



81.2279, 90.0749, 107.7128



42.7658, 64.7233, 36.5593



16.9759, 18.9776, 23.0183



0.0000, 0.0000, 0.0000



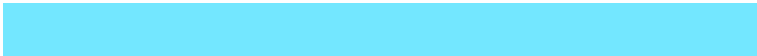
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6144, 58.9220, 85.9554



53.7778, 68.2288, 104.9428



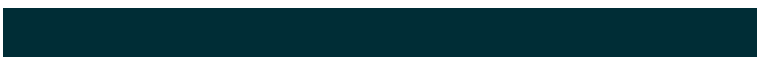
36.1754, 36.0439, 82.1424



15.2895, 16.6655, 19.3332



19.3473, 25.3416, 47.6147



1.5764, 2.1042, 3.7579

Inverse Universe

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



53.3324, 37.1533, 68.6528



61.8239, 39.2572, 80.2232



57.4135, 58.9156, 28.0861



15.5997, 15.2677, 18.4432



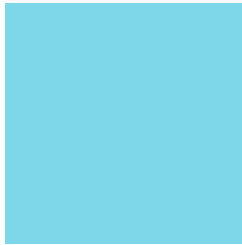
24.6209, 12.0511, 30.1347



1.9622, 0.9578, 2.5181

Previews

White Background



This preview shows how the XYZ color 47.6126, 58.9197, 85.9540 looks on a white background.

Color Contrast Check

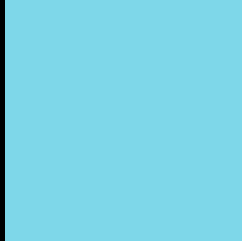
Large Text (above 18pt) WCAG AA × Fail

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 47.6126, 58.9197, 85.9540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

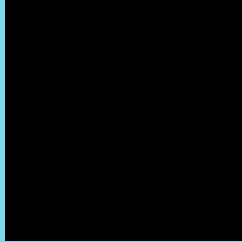
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6126, 58.9197, 85.9540

Background



This preview shows how black text looks on a background with the XYZ color 47.6126, 58.9197, 85.9540.



This preview shows how white text looks on a background with the XYZ color 47.6126, 58.9197,

85.9540.

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

47.6126, 58.9197, 85.9540

Protanopia

57.0314, 58.1803, 78.0361

Deuteranopia

59.6546, 58.2908, 88.2279



Tritanopia

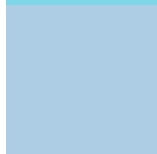
47.4701, 58.8627, 85.2036

Trichromacy



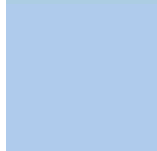
Original Color

47.6126, 58.9197, 85.9540



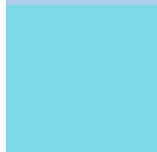
Protanomaly

52.7097, 57.9794, 81.0861



Deuteranomaly

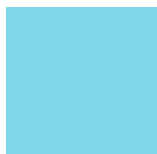
54.1755, 57.8820, 87.6739



Tritanomaly

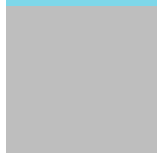
47.4701, 58.8627, 85.2036

Monochromacy



Original Color

47.6126, 58.9197, 85.9540



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.5004, 53.5186, 66.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6126, 58.9197, 85.9540 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, 215, 233)` looks like.

```
.text, #text, p{  
    color:rgb(126, 215, 233)  
}
```

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, 215, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 215, 233) }
```

Border

The CSS property to change the border of an element to XYZ 47.6126, 58.9197, 85.9540 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, 215, 233) }
```


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

```
.border{ border-color:rgb(126, 215, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 215, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 215, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 215, 233);  
box-shadow:4px 4px 4px 4px rgb(126, 215,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6126, 58.9197, 85.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 215, 233) }
```

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

```
.background{ background-color: rgb(126,  
215, 233) }
```

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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