

Converting Colors

XYZ(47.7941, 61.9789, 81.1003)

Have a look what the booklet for
XYZ(47.7941, 61.9789, 81.1003)
contains.

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Color

**XYZ(47.7339, 61.7985,
81.3640)**

Conversions

Conversions Part 1	
Format	Color
Hex	79DEE2
RGB	121, 222, 226
RGB Percent	47%, 87%, 89%
CMY	0.5255, 0.1294, 0.1137
CMYK	0.46, 0.02, 0.00, 0.11
HSL	182°, 64%, 68%
HSV	182°, 46%, 89%
XYZ	47.7339, 61.7985, 81.3640
YIQ	192.2570, -61.4800, -20.1680

Conversions

Conversions Part 2

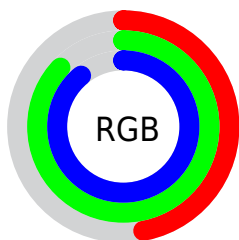
Format	Color
RYB	121, 172, 226
Decimal	7986914
CIELab	82.81, -28.45, -11.14
CIELCh	83, 30.555, 201.373
Yxy	61.7985, 0.2501, 0.3237
Android (android.graphics.Color)	4286176994 (0xFF79DEE2)
YUV	192.2570, 16.6353, -62.4924
Hunter-Lab	78.6120, -29.1843, -6.3372

Details

The XYZ color **47.7339, 61.7985, 81.3640** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.1499, 32.2174, 22.0877**, and the grayscale version is **50.1862, 52.7998, 57.4990**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **23.0329, 31.5384, 43.4016** is the 20% darker color. If you saturate the color by 10%, you get **44.7027, 59.8989, 81.1582**, and if you desaturate by 10%, it is **51.5118, 64.0877, 81.6078**.

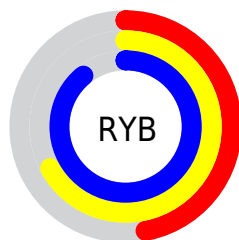
Distribution



Red (47%)

Green (87%)

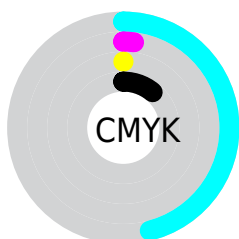
Blue (89%)



Red (47%)

Yellow (67%)

Blue (89%)

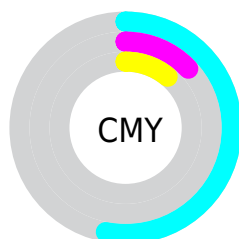


Cyan (46%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (53%)


Magenta (13%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7339, 61.7985, 81.3640 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 47.7339, 61.7985, 81.3640 by changing the saturation by 10% instead.


 47.7339, 61.7985,
81.3640


 47.7339, 61.7985,
81.3640


368.3366,
431.1957, 519.3453


 33.8266, 44.8699,
60.3087


 86.0202, 107.4343,
137.1104

 22.9227, 31.3550,
43.2406


 111.1298,
136.9102, 172.6386

 14.6568, 20.8693,
29.7411


 140.7043,
171.3374, 213.8281

 8.6636, 13.0285,
19.3918

175.1090,
211.1002, 261.0976

 4.5778, 7.4482,
11.7740

214.7092,
256.5831, 314.8655

 2.0339, 3.7439,
6.4693


259.8703,


 0.6529, 1.5314,


308.1703, 375.5504


3.0591


310.9576,
366.2464, 443.5708


 0.0000, 0.3107,
1.1249


 0.0000, 0.0000,
0.0000


 47.7339, 61.7985,
81.3640


 47.7339, 61.7985,
81.3640


 44.7027, 59.8989,
81.1582


 51.5118, 64.0877,
81.6078

 42.3601, 58.3545,
80.9836


 56.0783, 66.7837,
81.8875


 40.6484, 57.1371,
80.8388


 61.4788, 69.9114,
82.2066


 39.4982, 56.2109,
80.7206

 67.7538, 73.4917,
82.5669


 38.8219, 55.5307,
80.6250


 74.9409, 77.5439,
82.9703

 38.6428, 55.3214,
80.5940

 82.4824, 81.7805,
83.3906

 82.7186, 82.2529,
83.4693

 82.9560, 82.7276,
83.5484

 83.1945, 83.2047,
83.6279

Harmonies

Analogous

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



47.1041, 61.7985, 62.0017



47.7339, 61.7985, 81.3640



51.1939, 61.7985, 99.7215

Triad

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



47.7339, 61.7985, 81.3640



69.1778, 61.7985, 92.5149



60.6545, 61.7985, 37.4641

Complementary

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



47.7339, 61.7985, 81.3640



42.1499, 32.2174, 22.0877

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.



66.9882, 61.7985, 42.7812



47.7339, 61.7985, 81.3640



72.1443, 61.7985, 72.8667

Square

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



47.7339, 61.7985, 81.3640



63.4663, 61.7985, 106.9493



71.3144, 61.7985, 54.9370



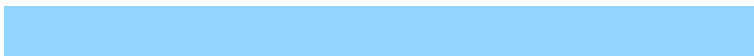
54.2498, 61.7985, 38.8897

Rectangle

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



47.7339, 61.7985, 81.3640



54.7914, 61.7985, 107.7593



71.3144, 61.7985, 54.9370



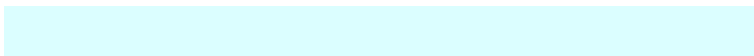
62.8689, 61.7985, 38.4795

Sweetspot

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



47.7358, 61.8009, 81.3655



82.6817, 92.9824, 108.1974



38.7527, 59.9269, 28.7611



17.3339, 19.6937, 23.1376



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.



47.7358, 61.8009, 81.3655



58.8075, 78.7777, 106.7139



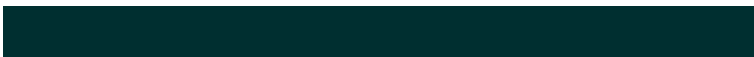
35.9888, 38.3070, 77.4498



14.0695, 15.4781, 17.6337



22.0662, 31.6019, 45.9851



1.5436, 2.2187, 3.1921

Inverse Universe

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



51.3878, 35.1190, 73.1801



64.2431, 39.7673, 94.3733



50.5387, 48.9950, 24.8840



14.2713, 13.9262, 17.1988



25.0782, 12.0983, 38.6730



1.7454, 0.8414, 2.7182

Previews

White Background



This preview shows how the XYZ color 47.7339, 61.7985, 81.3640 looks on a white background.

Color Contrast Check

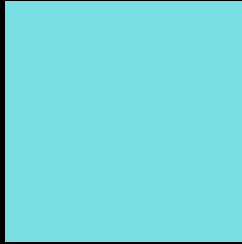
Large Text (above 18pt) WCAG AA × Fail

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 47.7339, 61.7985, 81.3640 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

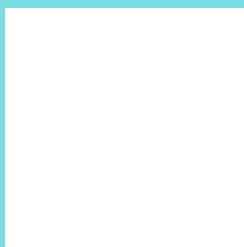
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7339, 61.7985, 81.3640

Background



This preview shows how black text looks on a background with the XYZ color 47.7339, 61.7985, 81.3640.

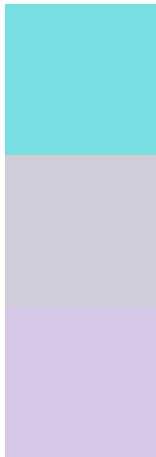


This preview shows how white text looks on a background with the XYZ color 47.7339, 61.7985,

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

47.7339, 61.7985, 81.3640

Protanopia

59.3122, 61.2138, 72.9793

Deuteranopia

62.5187, 61.2242, 84.1237



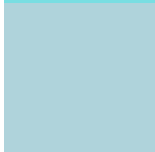
Tritanopia

49.4833, 61.7194, 90.1939

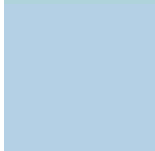
Trichromacy



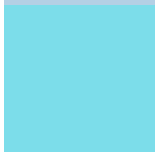
Original Color
47.7339, 61.7985, 81.3640



Protanomaly
53.7596, 60.8170, 75.9232

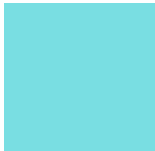


Deuteranomaly
55.5211, 60.4722, 82.8748

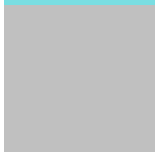


Tritanomaly
49.0199, 61.9385, 87.2136

Monochromacy



Original Color
47.7339, 61.7985, 81.3640



Achromatopsia
50.1023, 52.7115, 57.4028



Achromatomaly
47.9809, 55.1785, 65.2484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7339, 61.7985, 81.3640 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(121, 222, 226) looks like.

```
.text, #text, p{  
    color:rgb(121, 222, 226)  
}
```

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(121, 222, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 222, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.7339, 61.7985, 81.3640 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(121, 222, 226) }
```

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

```
.border{ border-color:rgb(121, 222, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 222, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(121, 222,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7339, 61.7985, 81.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 222, 226) }
```

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

```
.background{ background-color: rgb(121,  
222, 226) }
```

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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