

Converting Colors

XYZ(41.2377, 47.9475, 79.2313)

Have a look what the booklet for
XYZ(41.2377, 47.9475, 79.2313)
contains.

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Color

**XYZ(41.2549, 47.9909,
79.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC1E2
RGB	125, 193, 226
RGB Percent	49%, 76%, 89%
CMY	0.5098, 0.2431, 0.1137
CMYK	0.45, 0.15, 0.00, 0.11
HSL	200°, 64%, 69%
HSV	200°, 45%, 89%
XYZ	41.2549, 47.9909, 79.0403
YIQ	176.4300, -51.1210, -4.1530

Conversions

Conversions Part 2

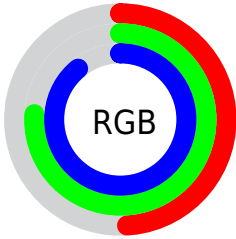
Format	Color
RYB	125, 166, 226
Decimal	8241634
CIELab	74.82, -12.89, -23.16
CIElCh	75, 26.506, 240.904
Yxy	47.9909, 0.2451, 0.2852
Android (android.graphics.Color)	4286431714 (0xFF7DC1E2)
YUV	176.4300, 24.4380, -45.1041
Hunter-Lab	69.2755, -14.9318, -19.1545

Details

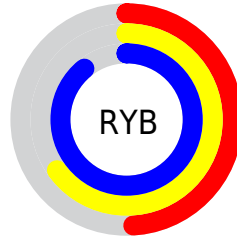
The XYZ color **41.2549, 47.9909, 79.0403** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2937, 42.1043, 25.0379**, and the grayscale version is **41.3881, 43.5435, 47.4188**.

A 20% lighter version of the original color is **71.2171, 84.9164, 107.2447**, and **18.9672, 22.6345, 41.8973** is the 20% darker color. If you saturate the color by 10%, you get **36.7319, 43.2971, 78.3736**, and if you desaturate by 10%, it is **46.6131, 53.2383, 79.7716**.

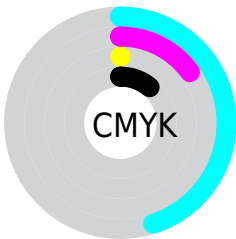
Distribution



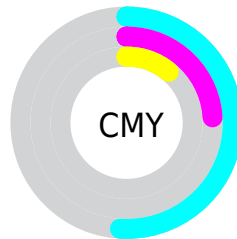
- Red (49%)
- Green (76%)
- Blue (89%)



- Red (49%)
- Yellow (65%)
- Blue (89%)



- Cyan (45%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2549, 47.9909, 79.0403 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 41.2549, 47.9909, 79.0403 by changing the saturation by 10% instead.

■ 41.2549, 47.9909,
79.0403

■ 41.2549, 47.9909,
79.0403

342.4293,
378.7561, 511.3139

■ 28.7069, 33.8197,
58.4074

■ 76.3430, 87.1909,
133.8148

■ 19.0023, 22.7551,
41.7194

■ 99.6137, 112.9884,
168.7935

■ 11.7760, 14.4128,
28.5577

■ 127.1894,
143.4301, 209.3912

■ 6.6624, 8.4083,
18.5038

159.4353,
178.9005, 256.0264

■ 3.2963, 4.3573,
11.1391

196.7169,
219.7839, 309.1178

■ 1.3123, 1.8754,
6.0451

239.3996,

■ 0.1924, 0.5335,

266.4647, 369.0838

2.8033

287.8485,
319.3273, 436.3430

■ 0.0000, 0.0000,
0.9951

■ 0.0000, 0.0000,
0.0000

■ 41.2549, 47.9909,
79.0403

■ 41.2549, 47.9909,
79.0403

■ 36.7319, 43.2971,
78.3736

■ 46.6131, 53.2383,
79.7716

■ 32.9866, 39.1225,
77.7652

■ 52.8497, 59.0602,
80.5666

■ 29.9615, 35.4366,
77.2132

■ 60.0103, 65.4829,
81.4289

■ 27.5877, 32.2021,
76.7140

■ 68.1358, 72.5290,
82.3607

■ 25.7817, 29.3741,
76.2633

■ 77.2647, 80.2200,
83.3641

■ 24.9821, 27.9999,
76.0402

■ 85.3408, 87.4975,
84.3431

■ 87.5267, 91.8692,
85.0717

■ 89.8017, 96.4191,
85.8301

■ 90.7276, 98.2711,
86.1387

Harmonies

Analogous

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



38.1166, 47.9909, 67.1021



41.2549, 47.9909, 79.0403



45.7602, 47.9909, 83.5312

Triad

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



41.2549, 47.9909, 79.0403



55.5199, 47.9909, 51.8366



41.0187, 47.9909, 32.6319

Complementary

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



41.2549, 47.9909, 79.0403



47.2937, 42.1043, 25.0379

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.



45.4680, 47.9909, 29.9585



41.2549, 47.9909, 79.0403



54.0350, 47.9909, 39.7756

Square

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



41.2549, 47.9909, 79.0403



54.1988, 47.9909, 66.2494



50.2696, 47.9909, 32.3271



37.9871, 47.9909, 40.3829

Rectangle

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



41.2549, 47.9909, 79.0403



49.0004, 47.9909, 81.1705



50.2696, 47.9909, 32.3271



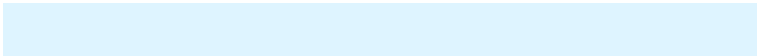
42.3872, 47.9909, 31.1777

Sweetspot

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



41.2564, 47.9927, 79.0414



80.5299, 87.5291, 107.2582



41.7395, 61.1876, 41.5029



16.7562, 18.3120, 22.9014



0.0000, 0.0000, 0.0000



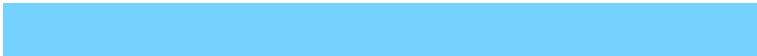
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2564, 47.9927, 79.0414



48.4756, 57.1209, 103.0782



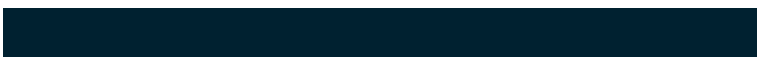
32.0866, 29.6530, 75.9848



13.7194, 14.7780, 17.5170



14.3646, 16.1988, 43.4179



1.0762, 1.2839, 3.0363

Inverse Universe

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



48.3246, 34.6878, 54.6024



59.2704, 38.7063, 65.3265



57.4969, 62.5108, 28.4390



14.0946, 13.8555, 16.2684



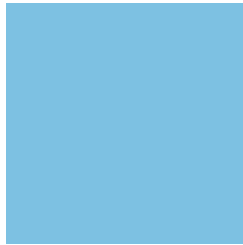
21.1908, 10.5433, 18.2023



1.5095, 0.7471, 1.4758

Previews

White Background



This preview shows how the XYZ color 41.2549, 47.9909, 79.0403 looks on a white background.

Color Contrast Check

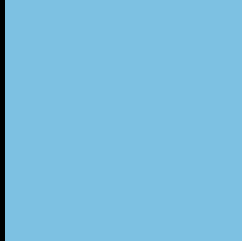
Large Text (above 18pt) WCAG AA × Fail

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 41.2549, 47.9909, 79.0403 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

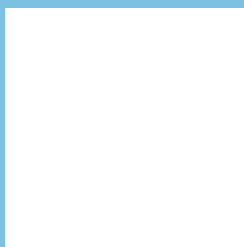
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2549, 47.9909, 79.0403

Background



This preview shows how black text looks on a background with the XYZ color 41.2549, 47.9909, 79.0403.



This preview shows how white text looks on a background with the XYZ color 41.2549, 47.9909,

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

41.2549, 47.9909, 79.0403

Protanopia

47.2873, 47.7480, 73.0536

Deuteranopia

48.8242, 47.7646, 80.7749



Tritanopia

39.3830, 48.2480, 68.8651

Trichromacy



Original Color

41.2549, 47.9909, 79.0403

Protanomaly

44.5147, 47.5064, 75.2301

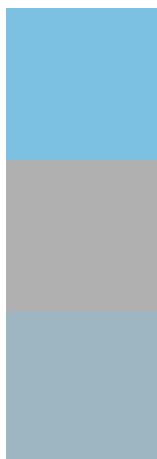
Deuteranomaly

45.6506, 47.6703, 80.1940

Tritanomaly

39.9358, 48.1257, 72.1501

Monochromacy



Original Color

41.2549, 47.9909, 79.0403

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.3702, 44.5190, 57.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2549, 47.9909, 79.0403 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(125, 193, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 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(125, 193, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.2549, 47.9909, 79.0403 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(125, 193, 226) }
```


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

```
.border{ border-color:rgb(125, 193, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 193, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 226);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2549, 47.9909, 79.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 226) }
```

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

```
.background{ background-color: rgb(125,  
193, 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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