

Converting Colors

XYZ(40.7408, 47.6475, 79.7760)

Have a look what the booklet for
XYZ(40.7408, 47.6475, 79.7760)
contains.

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Color

**XYZ(40.8202, 47.7509,
79.7384)**

Conversions

Conversions Part 1

Format	Color
Hex	79C1E3
RGB	121, 193, 227
RGB Percent	47%, 76%, 89%
CMY	0.5255, 0.2431, 0.1098
CMYK	0.47, 0.15, 0.00, 0.11
HSL	199°, 65%, 68%
HSV	199°, 47%, 89%
XYZ	40.8202, 47.7509, 79.7384
YIQ	175.3480, -53.8260, -4.6900

Conversions

Conversions Part 2

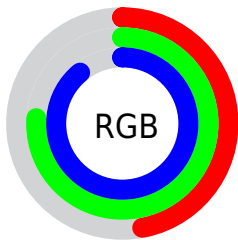
Format	Color
R_{YB}	121, 164, 227
Decimal	7979491
CIE _{Lab}	74.67, -13.57, -23.95
CIE _{LCh}	75, 27.528, 240.464
Yxy	47.7509, 0.2425, 0.2837
Android (android.graphics.Color)	4286169571 (0xFF79C1E3)
YUV	175.3480, 25.4644, -47.6632
Hunter-Lab	69.1020, -15.4844, -20.0447

Details

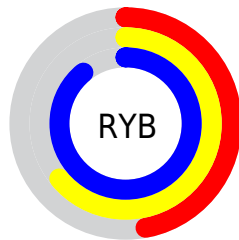
The XYZ color **40.8202, 47.7509, 79.7384** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.8521, 41.1552, 23.5650**, and the grayscale version is **40.8212, 42.9471, 46.7694**.

A 20% lighter version of the original color is **70.2858, 84.4363, 107.2011**, and **18.7289, 22.5006, 42.3856** is the 20% darker color. If you saturate the color by 10%, you get **36.4356, 43.1606, 79.0843**, and if you desaturate by 10%, it is **46.0355, 52.8891, 80.4562**.

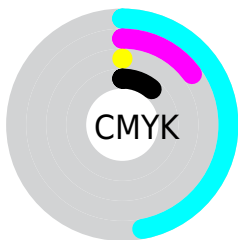
Distribution



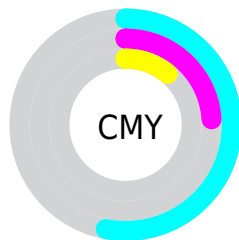
- Red (47%)
- Green (76%)
- Blue (89%)



- Red (47%)
- Yellow (64%)
- Blue (89%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8202, 47.7509, 79.7384 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 40.8202, 47.7509, 79.7384 by changing the saturation by 10% instead.

■ 40.8202, 47.7509,
79.7384

■ 40.8202, 47.7509,
79.7384

340.6440,
377.8039, 513.7343

■ 28.3657, 33.6297,
58.9782

■ 75.6873, 86.8334,
134.8059

■ 18.7433, 22.6092,
42.1757

■ 98.8306, 112.5635,
169.9504

■ 11.5879, 14.3052,
28.9123

■ 126.2675,
142.9319, 210.7266

■ 6.5339, 8.3333,
18.7695

158.3634,
178.3232, 257.5533

■ 3.2161, 4.3089,
11.3287

195.4837,
219.1216, 310.8488

■ 1.2690, 1.8478,
6.1714

237.9936,

■ 0.1599, 0.5167,

265.7116, 371.0318

2.8791

286.2586,
318.4776, 438.5208

■ 0.0000, 0.0000,
1.0333

■ 0.0000, 0.0000,
0.0000

■ 40.8202, 47.7509,
79.7384

■ 40.8202, 47.7509,
79.7384

■ 36.4356, 43.1606,
79.0843

■ 46.0355, 52.8891,
80.4562

■ 32.8228, 39.0831,
78.4877

■ 52.1261, 58.5969,
81.2369

■ 29.9216, 35.4868,
77.9465

■ 59.1388, 64.9009,
82.0840

■ 27.6605, 32.3329,
77.4569

■ 67.1155, 71.8242,
83.0000

■ 25.9483, 29.5728,
77.0144

■ 76.0954, 79.3888,
83.9868

■ 25.4525, 28.7206,
76.8760

■ 85.2995, 87.1945,
85.0083

■ 87.4469, 91.4894,
85.7241

■ 89.6809, 95.9573,
86.4688

■ 90.8653, 98.3261,
86.8636

Harmonies

Analogous

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



37.6109, 47.7509, 67.1986



40.8202, 47.7509, 79.7384



45.4635, 47.7509, 84.5789

Triad

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



40.8202, 47.7509, 79.7384



55.6675, 47.7509, 51.7704



40.6949, 47.7509, 31.7293

Complementary

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



40.8202, 47.7509, 79.7384



46.8521, 41.1552, 23.5650

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.



45.3081, 47.7509, 29.0792



40.8202, 47.7509, 79.7384



54.1645, 47.7509, 39.2732

Square

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



40.8202, 47.7509, 79.7384



54.2519, 47.7509, 66.7423



50.2797, 47.7509, 31.5695



37.5424, 47.7509, 39.5938

Rectangle

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



40.8202, 47.7509, 79.7384



48.8221, 47.7509, 82.2051



50.2797, 47.7509, 31.5695



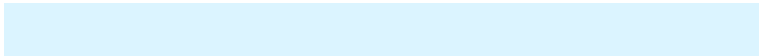
42.1146, 47.7509, 30.2712

Sweetspot

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



40.8217, 47.7527, 79.7395



79.5690, 86.7571, 107.1598



41.2355, 61.3562, 40.4910



16.5691, 18.1639, 22.8827



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.



40.8217, 47.7527, 79.7395



47.6065, 56.3758, 102.9802



31.1932, 28.4956, 76.5300



14.3973, 15.5160, 18.3804



14.9536, 16.9693, 44.8704



1.1881, 1.4201, 3.3435

Inverse Universe

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



48.1428, 33.8573, 54.4516



58.5894, 37.5058, 64.6012



57.5812, 62.6132, 27.1413



14.7881, 14.5324, 17.0846



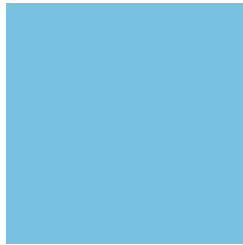
21.9414, 10.9108, 19.1182



1.6633, 0.8230, 1.6336

Previews

White Background



This preview shows how the XYZ color 40.8202, 47.7509, 79.7384 looks on a white background.

Color Contrast Check

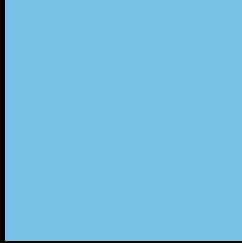
Large Text (above 18pt) WCAG AA × Fail

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 40.8202, 47.7509, 79.7384 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 40.8202, 47.7509, 79.7384

Background



This preview shows how black text looks on a background with the XYZ color 40.8202, 47.7509, 79.7384.



This preview shows how white text looks on a background with the XYZ color 40.8202, 47.7509,

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

40.8202, 47.7509, 79.7384

Protanopia

46.9893, 47.2762, 73.6664

Deuteranopia

48.3075, 47.1835, 81.4242



Tritanopia

38.7003, 47.8960, 68.8332

Trichromacy



Original Color

40.8202, 47.7509, 79.7384

Protanomaly

44.0513, 46.9404, 75.8459

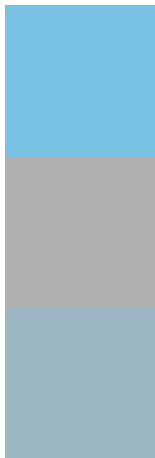
Deuteranomaly

44.9936, 47.0060, 80.8304

Tritanomaly

39.5107, 47.8915, 72.8072

Monochromacy



Original Color

40.8202, 47.7509, 79.7384

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9831, 44.3195, 57.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8202, 47.7509, 79.7384 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, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(121, 193, 227)  
}
```

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, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 193, 227) }
```

Border

The CSS property to change the border of an element to XYZ 40.8202, 47.7509, 79.7384 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, 193, 227) }
```


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

```
.border{ border-color:rgb(121, 193, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 193, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(121, 193,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8202, 47.7509, 79.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 193, 227) }
```

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

```
.background{ background-color: rgb(121,  
193, 227) }
```

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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