

Converting Colors

XYZ(40.4080, 48.5457, 79.8656)

Have a look what the booklet for
XYZ(40.4080, 48.5457, 79.8656)
contains.

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Color

**XYZ(40.4151, 48.5366,
79.9114)**

Conversions

Conversions Part 1

Format	Color
Hex	71C4E3
RGB	113, 196, 227
RGB Percent	44%, 77%, 89%
CMY	0.5568, 0.2314, 0.1098
CMYK	0.50, 0.14, 0.00, 0.11
HSL	196°, 67%, 67%
HSV	196°, 50%, 89%
XYZ	40.4151, 48.5366, 79.9114
YIQ	174.7170, -59.4190, -7.9550

Conversions

Conversions Part 2

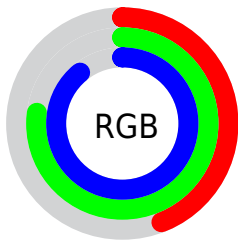
Format	Color
RYB	113, 161, 227
Decimal	7455971
CIELab	75.16, -16.95, -23.23
CIElCh	75, 28.757, 233.874
Yxy	48.5366, 0.2393, 0.2874
Android (android.graphics.Color)	4285646051 (0xFF71C4E3)
YUV	174.7170, 25.7755, -54.1258
Hunter-Lab	69.6682, -18.3701, -19.2395

Details

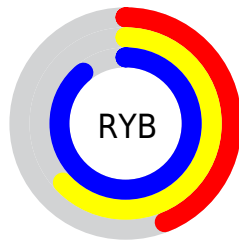
The XYZ color **40.4151, 48.5366, 79.9114** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6336, 37.4710, 20.5045**, and the grayscale version is **40.4958, 42.6048, 46.3966**.

A 20% lighter version of the original color is **69.9699, 86.1285, 107.5444**, and **18.5356, 23.0546, 42.5028** is the 20% darker color. If you saturate the color by 10%, you get **36.4882, 44.4886, 79.3379**, and if you desaturate by 10%, it is **45.1327, 53.0793, 80.5405**.

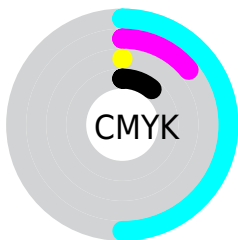
Distribution



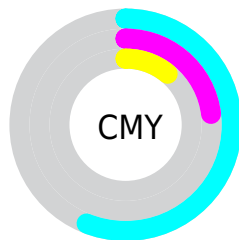
- Red (44%)
- Green (77%)
- Blue (89%)



- Red (44%)
- Yellow (63%)
- Blue (89%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4151, 48.5366, 79.9114 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 40.4151, 48.5366, 79.9114 by changing the saturation by 10% instead.

■ 40.4151, 48.5366,
79.9114

■ 40.4151, 48.5366,
79.9114

338.9746,
380.9152, 514.3331

■ 28.0480, 34.2520,
59.1197

■ 75.0755, 88.0028,
135.0514

■ 18.5025, 23.0873,
42.2888

■ 98.0996, 113.9532,
170.2369

■ 11.4132, 14.6580,
29.0003

■ 125.4066,
144.5611, 211.0573

■ 6.4148, 8.5797,
18.8354

157.3620,
180.2107, 257.9312

■ 3.1420, 4.4681,
11.3758

194.3312,
221.2865, 311.2772

■ 1.2293, 1.9387,
6.2029

236.6794,

■ 0.1293, 0.5715,

268.1730, 371.5138

2.8981

284.7721,
321.2544, 439.0596

■ 0.0000, 0.0000,
1.0428

■ 0.0000, 0.0000,
0.0000

■ 40.4151, 48.5366,
79.9114

■ 40.4151, 48.5366,
79.9114

■ 36.4882, 44.4886,
79.3379

■ 45.1327, 53.0793,
80.5405

■ 33.2912, 40.8999,
78.8137

■ 50.6867, 58.1383,
81.2242

■ 30.7614, 37.7381,
78.3368

■ 57.1248, 63.7400,
81.9661

■ 28.8227, 34.9630,
77.9033

■ 64.4896, 69.9074,
82.7684

■ 27.3700, 32.5555,
77.5152

■ 72.8208, 76.6619,
83.6331

■ 82.1557, 84.0238,
84.5620

■ 86.0339, 88.6632,
85.2531

■ 87.8742, 92.3439,
85.8666

■ 89.7768, 96.1491,
86.5008

Harmonies

Analogous

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



37.4766, 48.5366, 65.4792



40.4151, 48.5366, 79.9114



45.0602, 48.5366, 87.2551

Triad

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



40.4151, 48.5366, 79.9114



56.9540, 48.5366, 56.0044



42.1535, 48.5366, 30.5129

Complementary

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



40.4151, 48.5366, 79.9114



44.6336, 37.4710, 20.5045

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.



47.2219, 48.5366, 28.9348



40.4151, 48.5366, 79.9114



56.0282, 48.5366, 41.9558

Square

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



40.4151, 48.5366, 79.9114



54.8069, 48.5366, 71.8609



52.3654, 48.5366, 32.7100



38.4255, 48.5366, 37.5248

Rectangle

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



40.4151, 48.5366, 79.9114



48.6042, 48.5366, 86.3077



52.3654, 48.5366, 32.7100



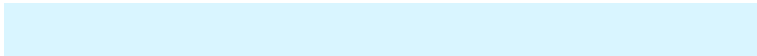
43.7462, 48.5366, 29.3928

Sweetspot

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



40.4167, 48.5384, 79.9126



79.1222, 86.9958, 107.2294



39.2688, 60.4453, 35.7449



16.5054, 18.2593, 22.9044



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.



40.4167, 48.5384, 79.9126



47.4234, 57.8326, 103.2711



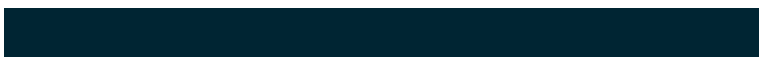
29.9964, 27.6979, 76.4391



14.4587, 15.6387, 18.4008



16.0637, 19.1896, 45.2405



1.2632, 1.5704, 3.3685

Inverse Universe

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



47.5488, 32.1282, 55.9217



58.0519, 35.5870, 67.0238



55.4074, 59.0185, 24.0958



14.8191, 14.5448, 17.2477



22.5017, 11.1349, 22.0689



1.7012, 0.8382, 1.8333

Previews

White Background



This preview shows how the XYZ color 40.4151, 48.5366, 79.9114 looks on a white background.

Color Contrast Check

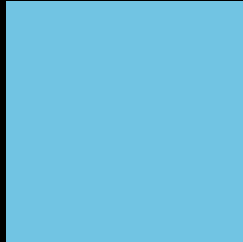
Large Text (above 18pt) WCAG AA × Fail

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 40.4151, 48.5366, 79.9114 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 40.4151, 48.5366, 79.9114

Background



This preview shows how black text looks on a background with the XYZ color 40.4151, 48.5366, 79.9114.



This preview shows how white text looks on a background with the XYZ color 40.4151, 48.5366,

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

40.4151, 48.5366, 79.9114

Protanopia

47.7198, 48.2760, 73.1328

Deuteranopia

48.9643, 47.8207, 81.5125



Tritanopia

38.6384, 48.4944, 70.9422

Trichromacy



Original Color

40.4151, 48.5366, 79.9114

Protanomaly

44.3608, 48.0569, 75.3445

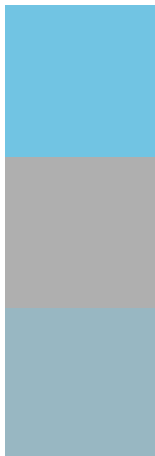
Deuteranomaly

45.0282, 47.6450, 80.9519

Tritanomaly

39.1828, 48.3620, 74.2875

Monochromacy



Original Color

40.4151, 48.5366, 79.9114

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.6200, 44.4374, 57.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4151, 48.5366, 79.9114 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(113, 196, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 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(113, 196, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 227) }
```

Border

The CSS property to change the border of an element to XYZ 40.4151, 48.5366, 79.9114 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(113, 196, 227) }
```


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

```
.border{ border-color:rgb(113, 196, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 196, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 196, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 196, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 196,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4151, 48.5366, 79.9114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 196, 227) }
```

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

```
.background{ background-color: rgb(113,  
196, 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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