

Converting Colors

XYZ(40.4182, 46.3103, 76.6204)

Have a look what the booklet for
XYZ(40.4182, 46.3103, 76.6204)
contains.

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Color

**XYZ(40.4190, 46.3121,
76.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	80BDDF
RGB	128, 189, 223
RGB Percent	50%, 74%, 87%
CMY	0.4980, 0.2588, 0.1255
CMYK	0.43, 0.15, 0.00, 0.13
HSL	201°, 60%, 69%
HSV	201°, 43%, 87%
XYZ	40.4190, 46.3121, 76.6209
YIQ	174.6370, -47.2700, -2.3580

Conversions

Conversions Part 2

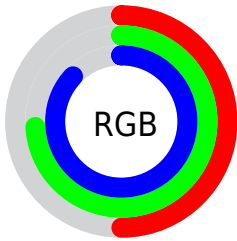
Format	Color
RYB	128, 165, 223
Decimal	8437215
CIELab	73.75, -10.84, -23.16
CIELCh	74, 25.570, 244.904
Yxy	46.3121, 0.2474, 0.2835
Android (android.graphics.Color)	4286627295 (0xFF80BDDF)
YUV	174.6370, 23.8430, -40.9006
Hunter-Lab	68.0530, -13.0755, -19.1175

Details

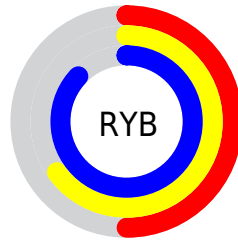
The XYZ color **40.4190, 46.3121, 76.6209** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.2492, 43.0883, 26.2502**, and the grayscale version is **40.4596, 42.5667, 46.3551**.

A 20% lighter version of the original color is **70.4696, 82.7152, 106.8592**, and **18.5445, 21.8132, 40.2788** is the 20% darker color. If you saturate the color by 10%, you get **35.7566, 41.4307, 75.9253**, and if you desaturate by 10%, it is **45.9159, 51.7660, 77.3847**.

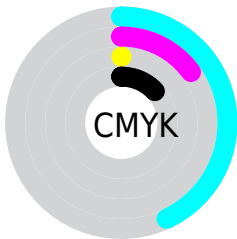
Distribution



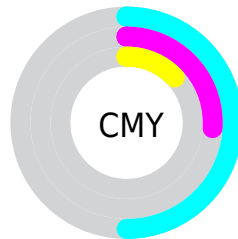
- Red (50%)
- Green (74%)
- Blue (87%)



- Red (50%)
- Yellow (65%)
- Blue (87%)



- Cyan (43%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4190, 46.3121, 76.6209 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 40.4190, 46.3121, 76.6209 by changing the saturation by 10% instead.

■ 40.4190, 46.3121,
76.6209

■ 40.4190, 46.3121,
76.6209

338.9907,
372.0620, 502.8738

■ 28.0510, 32.4922,
56.4321

■ 75.0814, 84.6859,
130.3723

■ 18.5048, 21.7377,
40.1431

■ 98.1066, 110.0085,
164.7720

■ 11.4149, 13.6643,
27.3355

■ 125.4149,
139.9342, 204.7457

■ 6.4160, 7.8876,
17.5907

157.3717,
174.8473, 250.7120

■ 3.1427, 4.0231,
10.4902

194.3423,
215.1323, 303.0894

■ 1.2297, 1.6865,
5.6153

236.6921,

■ 0.1296, 0.4149,

261.1734, 362.2965

2.5476

284.7864,
313.3552, 428.7518

■ 0.0000, 0.0000,
0.8652

■ 0.0000, 0.0000,
0.0000

■ 40.4190, 46.3121,
76.6209

■ 40.4190, 46.3121,
76.6209

■ 35.7566, 41.4307,
75.9253

■ 45.9159, 51.7660,
77.3847

■ 31.8740, 37.0882,
75.2917

■ 52.2887, 57.8129,
78.2160

■ 28.7164, 33.2553,
74.7183

■ 59.5812, 64.4785,
79.1182

■ 26.2192, 29.8962,
74.2015

■ 67.8328, 71.7852,
80.0937

■ 24.3049, 26.9685,
73.7374

■ 77.0806, 79.7541,
81.1444

■ 23.1708, 25.0304,
73.4230

■ 84.8114, 87.0917,
82.1532

■ 87.1724, 91.8137,
82.9402

■ 89.6375, 96.7440,
83.7620

■ 90.3194, 98.1078,
83.9893

Harmonies

Analogous

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



37.2409, 46.3121, 66.1252



40.4190, 46.3121, 76.6209



44.7687, 46.3121, 79.6581

Triad

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



40.4190, 46.3121, 76.6209



53.3002, 46.3121, 48.3190



39.2102, 46.3121, 32.5777

Complementary

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



40.4190, 46.3121, 76.6209



47.2492, 43.0883, 26.2502

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.



43.2763, 46.3121, 29.3951



40.4190, 46.3121, 76.6209



51.5717, 46.3121, 37.4319

Square

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



40.4190, 46.3121, 76.6209



52.4055, 46.3121, 61.7889



47.8251, 46.3121, 31.0065



36.5774, 46.3121, 40.5493

Rectangle

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



40.4190, 46.3121, 76.6209



47.7971, 46.3121, 76.6676



47.8251, 46.3121, 31.0065



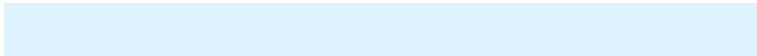
40.4440, 46.3121, 30.9810

Sweetspot

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



40.4205, 46.3139, 76.6220



80.2196, 86.9086, 107.1547



41.7462, 59.9477, 43.2063



16.6793, 18.1583, 22.8758



0.0000, 0.0000, 0.0000



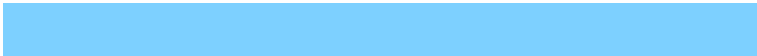
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4205, 46.3139, 76.6220



49.1676, 56.9111, 103.0013



31.9330, 29.3390, 73.7928



13.6824, 14.7039, 17.5047



13.7344, 14.9384, 43.2079



1.0357, 1.2029, 3.0228

Inverse Universe

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



47.3372, 34.8019, 52.3684



60.0088, 40.4912, 64.6224



57.0680, 62.7260, 29.5231



14.0759, 13.8480, 16.1699



20.8727, 10.4161, 16.5272



1.4890, 0.7389, 1.3681

Previews

White Background



This preview shows how the XYZ color 40.4190, 46.3121, 76.6209 looks on a white background.

Color Contrast Check

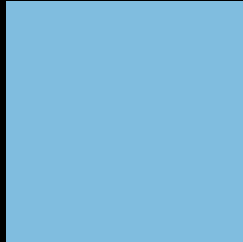
Large Text (above 18pt) WCAG AA × Fail

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 40.4190, 46.3121, 76.6209 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 40.4190, 46.3121, 76.6209

Background



This preview shows how black text looks on a background with the XYZ color 40.4190, 46.3121, 76.6209.

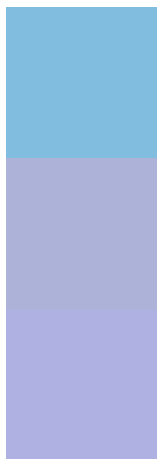


This preview shows how white text looks on a background with the XYZ color 40.4190, 46.3121,

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

40.4190, 46.3121, 76.6209

Protanopia

45.7483, 46.0823, 71.4493

Deuteranopia

47.1288, 46.0492, 78.3559



Tritanopia

38.4243, 46.4894, 65.9797

Trichromacy



Original Color

40.4190, 46.3121, 76.6209

Protanomaly

43.6243, 46.1495, 73.6263

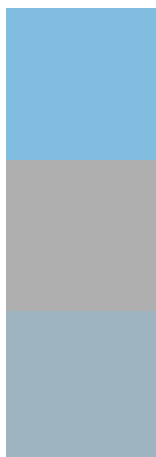
Deuteranomaly

44.2150, 45.7531, 77.7350

Tritanomaly

39.0985, 46.4257, 69.8511

Monochromacy



Original Color

40.4190, 46.3121, 76.6209

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9362, 43.7174, 56.2026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4190, 46.3121, 76.6209 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(128, 189, 223)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 223)  
}
```

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(128, 189, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 223) }
```

Border

The CSS property to change the border of an element to XYZ 40.4190, 46.3121, 76.6209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

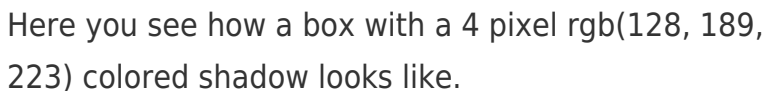
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 189, 223) }
```


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

```
.border{ border-color:rgb(128, 189, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 189, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 189, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 189, 223); box-shadow:4px 4px 4px 4px rgb(128, 189, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4190, 46.3121, 76.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 223) }
```

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

```
.background{ background-color: rgb(128,  
189, 223) }
```

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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