

Converting Colors

XYZ(39.7631, 47.7322, 77.1429)

Have a look what the booklet for
XYZ(39.7631, 47.7322, 77.1429)
contains.

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Color

**XYZ(39.6813, 47.5561,
76.8999)**

Conversions

Conversions Part 1

Format	Color
Hex	73C2DF
RGB	115, 194, 223
RGB Percent	45%, 76%, 87%
CMY	0.5490, 0.2392, 0.1255
CMYK	0.48, 0.13, 0.00, 0.13
HSL	196°, 63%, 66%
HSV	196°, 48%, 87%
XYZ	39.6813, 47.5561, 76.8999
YIQ	173.6850, -56.3930, -7.7290

Conversions

Conversions Part 2

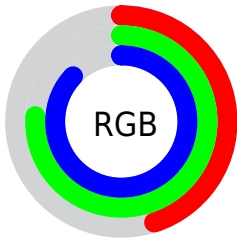
Format	Color
R _Y B	115, 161, 223
Decimal	7586527
CIE Lab	74.54, -16.58, -22.00
CIE LCh	75, 27.546, 232.995
Yxy	47.5561, 0.2418, 0.2897
Android (android.graphics.Color)	4285776607 (0xFF73C2DF)
YUV	173.6850, 24.3123, -51.4667
Hunter-Lab	68.9609, -17.9697, -17.8430

Details

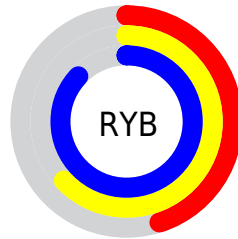
The XYZ color **39.6813, 47.5561, 76.8999** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.5004, 36.8736, 21.0457**, and the grayscale version is **39.9720, 42.0536, 45.7964**.

A 20% lighter version of the original color is **69.5604, 84.9850, 107.3453**, and **18.0215, 22.3955, 40.4187** is the 20% darker color. If you saturate the color by 10%, you get **35.7903, 43.6125, 76.3447**, and if you desaturate by 10%, it is **44.3382, 51.9763, 77.5085**.

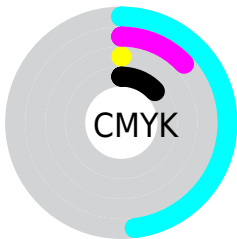
Distribution



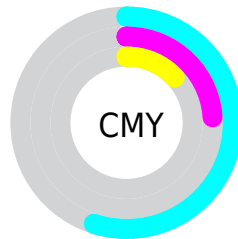
- Red (45%)
- Green (76%)
- Blue (87%)



- Red (45%)
- Yellow (63%)
- Blue (87%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6813, 47.5561, 76.8999 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 39.6813, 47.5561, 76.8999 by changing the saturation by 10% instead.

■ 39.6813, 47.5561,
76.8999

■ 39.6813, 47.5561,
76.8999

335.9360,
377.0299, 503.8513

■ 27.4732, 33.4755,
56.6597

■ 73.9654, 86.5431,
130.7699

■ 18.0674, 22.4909,
40.3245

■ 96.7721, 112.2183,
165.2367

■ 11.0984, 14.2181,
27.4759

■ 123.8425,
142.5271, 205.2828

■ 6.2008, 8.2725,
17.6954

155.5418,
177.8540, 251.3267

■ 3.0094, 4.2698,
10.5643

192.2355,
218.5834, 303.7870

■ 1.1587, 1.8256,
5.6642

234.2888,

■ 0.0734, 0.5031,

265.0995, 363.0821

2.5766

282.0672,
317.7869, 429.6307

■ 0.0000, 0.0000,
0.8803

■ 0.0000, 0.0000,
0.0000

■ 39.6813, 47.5561,
76.8999

■ 39.6813, 47.5561,
76.8999

■ 35.7903, 43.6125,
76.3447

■ 44.3382, 51.9763,
77.5085

■ 32.6081, 40.1121,
75.8367

■ 49.8040, 56.8931,
78.1695

■ 30.0764, 37.0249,
75.3743

■ 56.1236, 62.3316,
78.8861

■ 28.1249, 34.3137,
74.9538

■ 63.3372, 68.3134,
79.6605

■ 26.6502, 31.9242,
74.5703

■ 71.4824, 74.8587,
80.4946

■ 26.4385, 31.5659,
74.5123

■ 80.5945, 81.9865,
81.3901

■ 84.5313, 86.5314,
82.0599

■ 86.2835, 90.0359,
82.6440

■ 88.0941, 93.6571,
83.2475

Harmonies

Analogous

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



36.9502, 47.5561, 63.2439



39.6813, 47.5561, 76.8999



44.0435, 47.5561, 84.0297

Triad

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



39.6813, 47.5561, 76.8999



55.3813, 47.5561, 55.1956



41.5638, 47.5561, 30.4246

Complementary

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



39.6813, 47.5561, 76.8999



43.5004, 36.8736, 21.0457

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.



46.3779, 47.5561, 29.0610



39.6813, 47.5561, 76.8999



54.5960, 47.5561, 41.7935

Square

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



39.6813, 47.5561, 76.8999



53.2829, 47.5561, 70.0926



51.2094, 47.5561, 32.8303



37.9801, 47.5561, 36.9727

Rectangle

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



39.6813, 47.5561, 76.8999



47.3873, 47.5561, 83.3446



51.2094, 47.5561, 32.8303



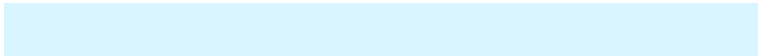
43.0823, 47.5561, 29.4008

Sweetspot

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



39.6828, 47.5579, 76.9010



79.1616, 87.0747, 107.2426



38.4780, 58.4288, 35.5570



16.5149, 18.2784, 22.9076



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.



39.6828, 47.5579, 76.9010



48.4991, 59.0993, 103.4589



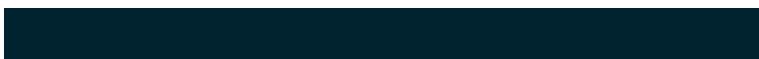
29.7983, 27.7888, 73.6062



13.7890, 14.9171, 17.5402



15.6430, 18.7556, 43.8441



1.1569, 1.4453, 3.0632

Inverse Universe

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



46.3011, 31.8460, 54.7473



58.8108, 36.7173, 68.4711



53.6755, 57.2239, 24.4375



14.1297, 13.8695, 16.4533



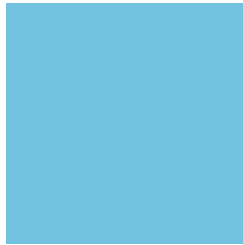
21.8361, 10.8014, 21.6004



1.5502, 0.7634, 1.6903

Previews

White Background



This preview shows how the XYZ color 39.6813, 47.5561, 76.8999 looks on a white background.

Color Contrast Check

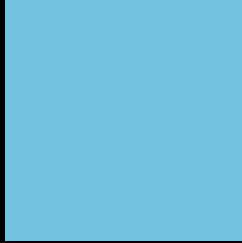
Large Text (above 18pt) WCAG AA × Fail

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 39.6813, 47.5561, 76.8999 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 39.6813, 47.5561, 76.8999

Background



This preview shows how black text looks on a background with the XYZ color 39.6813, 47.5561, 76.8999.



This preview shows how white text looks on a background with the XYZ color 39.6813, 47.5561,

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

39.6813, 47.5561, 76.8999

Protanopia

46.5660, 47.1329, 70.2616

Deuteranopia

48.2077, 47.1962, 78.5205



Tritanopia

38.1791, 47.6128, 69.4653

Trichromacy



Original Color

39.6813, 47.5561, 76.8999

Protanomaly

43.4097, 46.9976, 72.4291

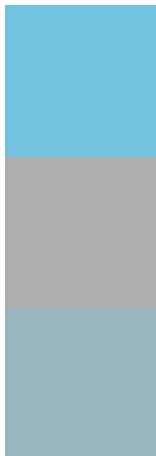
Deuteranomaly

44.2487, 46.6858, 77.9133

Tritanomaly

38.5919, 47.4328, 72.0872

Monochromacy



Original Color

39.6813, 47.5561, 76.8999

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.1752, 43.6258, 56.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6813, 47.5561, 76.8999 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(115, 194, 223)` looks like.

```
.text, #text, p{  
    color:rgb(115, 194, 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(115, 194, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 194, 223) }
```

Border

The CSS property to change the border of an element to XYZ 39.6813, 47.5561, 76.8999 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(115, 194, 223) }
```


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

```
.border{ border-color:rgb(115, 194, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 194, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 194, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 194, 223);  
box-shadow:4px 4px 4px 4px rgb(115, 194,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6813, 47.5561, 76.8999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 194, 223) }
```

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

```
.background{ background-color: rgb(115,  
194, 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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