

Converting Colors

XYZ(37.7300, 47.1520, 79.2653)

Have a look what the booklet for
XYZ(37.7300, 47.1520, 79.2653)
contains.

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Color

**XYZ(37.6838, 47.1445,
79.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC4E2
RGB	90, 196, 226
RGB Percent	35%, 77%, 89%
CMY	0.6470, 0.2314, 0.1137
CMYK	0.60, 0.13, 0.00, 0.11
HSL	193°, 70%, 62%
HSV	193°, 60%, 89%
XYZ	37.6838, 47.1445, 79.0652
YIQ	167.7260, -72.8060, -13.1420

Conversions

Conversions Part 2

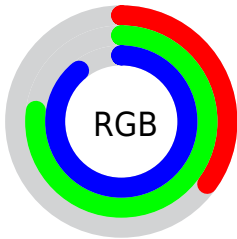
Format	Color
RYB	90, 150, 226
Decimal	5948642
CIELab	74.28, -21.83, -24.11
CIELCh	74, 32.521, 227.838
Yxy	47.1445, 0.2299, 0.2877
Android (android.graphics.Color)	4284138722 (0xFF5AC4E2)
YUV	167.7260, 28.7291, -68.1657
Hunter-Lab	68.6619, -22.1918, -20.2101

Details

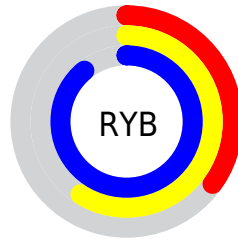
The XYZ color **37.6838, 47.1445, 79.0652** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **39.9272, 30.3413, 13.4264**, and the grayscale version is **36.9759, 38.9016, 42.3638**.

A 20% lighter version of the original color is **65.9378, 84.0499, 107.3557**, and **17.0237, 22.2863, 41.9325** is the 20% darker color. If you saturate the color by 10%, you get **34.7050, 43.9681, 78.6100**, and if you desaturate by 10%, it is **41.3711, 50.7435, 79.5664**.

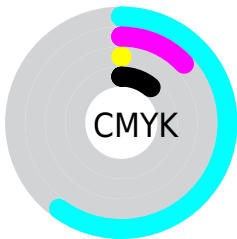
Distribution



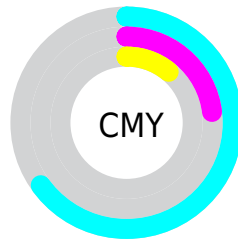
- Red (35%)
- Green (77%)
- Blue (89%)



- Red (35%)
- Yellow (59%)
- Blue (89%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6838, 47.1445, 79.0652 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 37.6838, 47.1445, 79.0652 by changing the saturation by 10% instead.

■ 37.6838, 47.1445,
79.0652

■ 37.6838, 47.1445,
79.0652

327.5660,
375.3910, 511.4003

■ 25.9135, 33.1499,
58.4278

■ 70.9303, 85.9293,
133.8501

■ 16.8913, 22.2413,
41.7357

■ 93.1371, 111.4882,
168.8348

■ 10.2518, 14.0343,
28.5704

■ 119.5535,
141.6708, 209.4388

■ 5.6298, 8.1445,
18.5133

■ 150.5447,
176.8613, 256.0809

■ 2.6598, 4.1876,
11.1459

186.4763,
217.4442, 309.1796

■ 0.9765, 1.7790,
6.0496

227.7134,

■ 0.0000, 0.4741,

263.8038, 369.1534

2.8060

274.6215,
316.3247, 436.4208

■ 0.0000, 0.0000,
0.9965

■ 0.0000, 0.0000,
0.0000

■ 37.6838, 47.1445,
79.0652

■ 37.6838, 47.1445,
79.0652

■ 34.7050, 43.9681,
78.6100

■ 41.3711, 50.7435,
79.5664

■ 32.3671, 41.1761,
78.1943

■ 45.8175, 54.7889,
80.1129

■ 30.5966, 38.7310,
77.8156

■ 51.0742, 59.3086,
80.7082

■ 29.2822, 36.6002,
77.4736

■ 57.1864, 64.3263,
81.3546

■ 64.1959, 69.8640,
82.0541

■ 72.1417, 75.9425,
82.8085

■ 81.0604, 82.5811,
83.6198

■ 84.9299, 86.6756,
84.2062

■ 86.3845, 89.5847,
84.6911

Harmonies

Analogous

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



34.9435, 47.1445, 61.8322



37.6838, 47.1445, 79.0652



42.4841, 47.1445, 89.6449

Triad

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



37.6838, 47.1445, 79.0652



56.7131, 47.1445, 58.4134



41.4555, 47.1445, 26.3926

Complementary

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



37.6838, 47.1445, 79.0652



39.9272, 30.3413, 13.4264

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.



47.2181, 47.1445, 25.8669



37.6838, 47.1445, 79.0652



56.3769, 47.1445, 42.0940

Square

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



37.6838, 47.1445, 79.0652



53.6633, 47.1445, 76.0985



52.7811, 47.1445, 30.9862



36.9873, 47.1445, 32.6233

Rectangle

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



37.6838, 47.1445, 79.0652



46.3590, 47.1445, 90.2577



52.7811, 47.1445, 30.9862



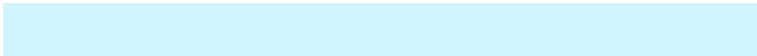
43.2948, 47.1445, 25.6009

Sweetspot

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



37.6853, 47.1462, 79.0663



76.9875, 86.0192, 107.1534



34.7720, 57.9107, 26.9470



15.9338, 17.9743, 22.8795



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.



37.6853, 47.1462, 79.0663



44.8515, 56.9218, 103.2308



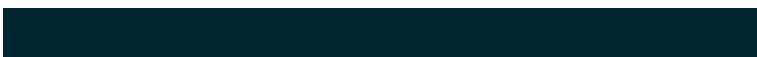
25.7343, 23.2442, 75.0827



13.8467, 15.0325, 17.5594



16.7969, 21.0633, 44.2287



1.2284, 1.5882, 3.0871

Inverse Universe

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



44.9853, 27.4680, 55.1572



55.7204, 30.6982, 66.9427



51.0802, 52.6474, 17.1440



14.1588, 13.8812, 16.6066



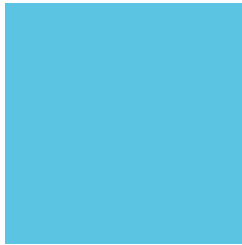
22.4185, 11.0344, 24.6672



1.5863, 0.7778, 1.8802

Previews

White Background



This preview shows how the XYZ color 37.6838, 47.1445, 79.0652 looks on a white background.

Color Contrast Check

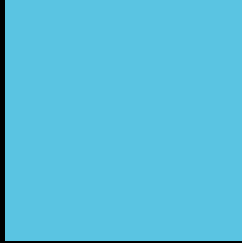
Large Text (above 18pt) WCAG AA × Fail

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 37.6838, 47.1445, 79.0652 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 37.6838, 47.1445, 79.0652

Background



This preview shows how black text looks on a background with the XYZ color 37.6838, 47.1445, 79.0652.

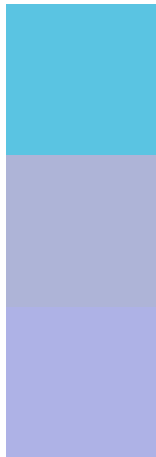


This preview shows how white text looks on a background with the XYZ color 37.6838, 47.1445,

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

37.6838, 47.1445, 79.0652

Protanopia

46.0426, 46.5475, 70.8478

Deuteranopia

47.6589, 46.5526, 81.3366



Tritanopia

36.0780, 47.1745, 70.8224

Trichromacy



Original Color

37.6838, 47.1445, 79.0652



Protanomaly

41.6728, 46.0719, 73.7142



Deuteranomaly

42.8195, 46.1947, 80.7884



Tritanomaly

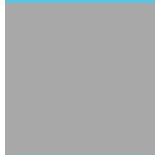
36.5516, 47.0207, 73.4791

Monochromacy



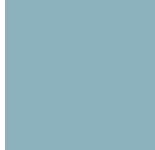
Original Color

37.6838, 47.1445, 79.0652



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.9209, 41.0904, 54.1821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6838, 47.1445, 79.0652 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(90, 196, 226)` looks like.

```
.text, #text, p{  
    color:rgb(90, 196, 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(90, 196, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 196, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.6838, 47.1445, 79.0652 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(90, 196, 226) }
```


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

```
.border{ border-color:rgb(90, 196, 226) }
```

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

Here you see how a box with a 4 pixel rgb(90, 196, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 196, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 196, 226);  
box-shadow:4px 4px 4px 4px rgb(90, 196,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6838, 47.1445, 79.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 196, 226) }
```

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

```
.background{ background-color: rgb(90, 196,  
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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