

Converting Colors

XYZ(37.8354, 45.5282, 76.3777)

Have a look what the booklet for
XYZ(37.8354, 45.5282, 76.3777)
contains.

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Color

**XYZ(37.8939, 45.6535,
76.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABFDF
RGB	106, 191, 223
RGB Percent	42%, 75%, 87%
CMY	0.5843, 0.2510, 0.1255
CMYK	0.52, 0.14, 0.00, 0.13
HSL	196°, 65%, 65%
HSV	196°, 52%, 87%
XYZ	37.8939, 45.6535, 76.6268
YIQ	169.2330, -60.9320, -8.0680

Conversions

Conversions Part 2

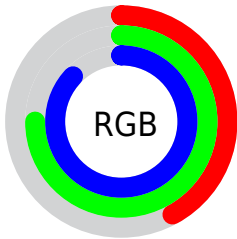
Format	Color
RYB	106, 155, 223
Decimal	6995935
CIELab	73.32, -17.00, -23.90
CIElCh	73, 29.328, 234.571
Yxy	45.6535, 0.2366, 0.2850
Android (android.graphics.Color)	4285186015 (0xFF6ABFDF)
YUV	169.2330, 26.5071, -55.4553
Hunter-Lab	67.5674, -18.1345, -19.9424

Details

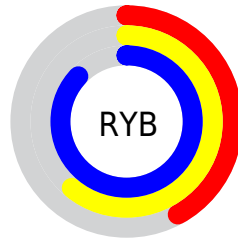
The XYZ color **37.8939, 45.6535, 76.6268** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.1225, 34.9067, 18.1546**, and the grayscale version is **37.7232, 39.6877, 43.2199**.

A 20% lighter version of the original color is **66.6206, 81.6340, 106.8534**, and **16.9684, 21.2107, 40.2455** is the 20% darker color. If you saturate the color by 10%, you get **34.2781, 41.8568, 76.0854**, and if you desaturate by 10%, it is **42.2569, 49.9196, 77.2211**.

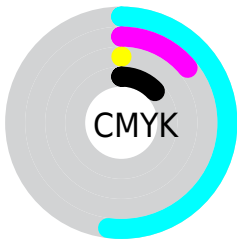
Distribution



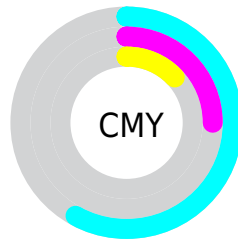
- Red (42%)
- Green (75%)
- Blue (87%)



- Red (42%)
- Yellow (61%)
- Blue (87%)



- Cyan (52%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (58%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8939, 45.6535, 76.6268 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 37.8939, 45.6535, 76.6268 by changing the saturation by 10% instead.

■ 37.8939, 45.6535,
76.6268

■ 37.8939, 45.6535,
76.6268

328.4533,
369.4138, 502.8945

■ 26.0772, 31.9725,
56.4369

■ 71.2504, 83.7002,
130.3807

■ 17.0144, 21.3405,
40.1470

■ 93.5210, 108.8347,
164.7818

■ 10.3401, 13.3731,
27.3385

■ 120.0068,
138.5557, 204.7571

■ 5.6890, 7.6860,
17.5929

151.0734,
173.2478, 250.7250

■ 2.6958, 3.8947,
10.4917

187.0859,
213.2952, 303.1042

■ 0.9950, 1.6148,
5.6163

228.4099,

■ 0.0000, 0.3676,

259.0824, 362.3131

2.5482

275.4106,
310.9939, 428.7704

■ 0.0000, 0.0000,
0.8656

■ 0.0000, 0.0000,
0.0000

■ 37.8939, 45.6535,
76.6268

■ 37.8939, 45.6535,
76.6268

■ 34.2781, 41.8568,
76.0854

■ 42.2569, 49.9196,
77.2211

■ 31.3500, 38.4949,
75.5908

■ 47.4123, 54.6763,
77.8675

■ 29.0474, 35.5357,
75.1410

■ 53.4063, 59.9496,
78.5695

■ 27.2940, 32.9388,
74.7321

■ 60.2804, 65.7617,
79.3290

■ 26.2417, 31.1723,
74.4466

■ 68.0734, 72.1334,
80.1481

■ 76.8214, 79.0845,
81.0288

■ 83.8958, 85.2605,
81.8480

■ 85.6593, 88.7874,
82.4358

■ 87.4830, 92.4349,
83.0437

Harmonies

Analogous

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



34.9842, 45.6535, 62.4779



37.8939, 45.6535, 76.6268



42.4608, 45.6535, 83.6802

Triad

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



37.8939, 45.6535, 76.6268



54.0318, 45.6535, 52.4446



39.3981, 45.6535, 28.0958

Complementary

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



37.8939, 45.6535, 76.6268



42.1225, 34.9067, 18.1546

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.



44.3373, 45.6535, 26.4578



37.8939, 45.6535, 76.6268



53.0499, 45.6535, 38.8102

Square

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



37.8939, 45.6535, 76.6268



51.9844, 45.6535, 68.0565



49.3984, 45.6535, 29.9730



35.8032, 45.6535, 34.9963

Rectangle

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



37.8939, 45.6535, 76.6268



45.9351, 45.6535, 82.5728



49.3984, 45.6535, 29.9730



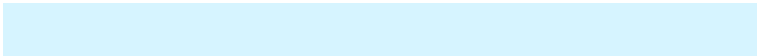
40.9450, 45.6535, 26.9774

Sweetspot

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



37.8954, 45.6552, 76.6279



78.1429, 86.1522, 107.1182



36.8624, 57.6525, 32.9289



16.3107, 18.0895, 22.8819



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.



37.8954, 45.6552, 76.6279



46.0119, 56.2380, 103.0377



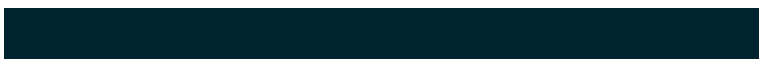
27.6931, 25.2507, 73.2271



13.7830, 14.9052, 17.5382



15.5283, 18.5262, 43.8058



1.1497, 1.4309, 3.0608

Inverse Universe

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



44.9906, 29.7590, 52.6648



57.0396, 34.0341, 65.2322



52.7063, 56.0744, 21.6826



14.1267, 13.8683, 16.4374



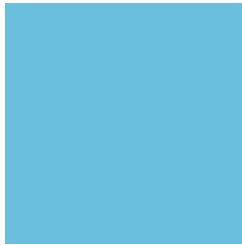
21.7782, 10.7783, 21.2954



1.5466, 0.7619, 1.6712

Previews

White Background



This preview shows how the XYZ color 37.8939, 45.6535, 76.6268 looks on a white background.

Color Contrast Check

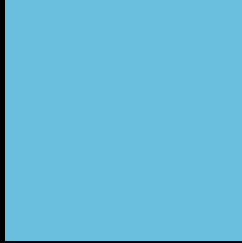
Large Text (above 18pt) WCAG AA × Fail

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 37.8939, 45.6535, 76.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

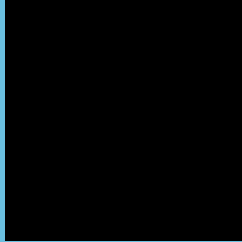
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8939, 45.6535, 76.6268

Background



This preview shows how black text looks on a background with the XYZ color 37.8939, 45.6535, 76.6268.



This preview shows how white text looks on a background with the XYZ color 37.8939, 45.6535,

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

37.8939, 45.6535, 76.6268

Protanopia

44.8730, 45.0700, 69.9526

Deuteranopia

46.2661, 45.3123, 78.2592



Tritanopia

35.9454, 45.5101, 67.2114

Trichromacy



Original Color

37.8939, 45.6535, 76.6268

Protanomaly

41.4651, 44.7616, 72.1000

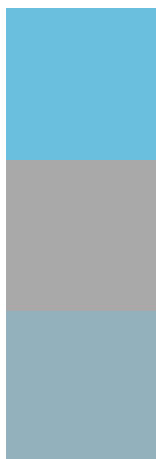
Deuteranomaly

42.3272, 44.7799, 77.6467

Tritanomaly

36.5808, 45.4379, 70.4607

Monochromacy



Original Color

37.8939, 45.6535, 76.6268

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7615, 41.2294, 54.1646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8939, 45.6535, 76.6268 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(106, 191, 223)` looks like.

```
.text, #text, p{  
    color:rgb(106, 191, 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(106, 191, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 191, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.8939, 45.6535, 76.6268 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(106, 191, 223) }
```


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

```
.border{ border-color:rgb(106, 191, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 191, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 191, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 191, 223);  
box-shadow:4px 4px 4px 4px rgb(106, 191,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8939, 45.6535, 76.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 191, 223) }
```

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

```
.background{ background-color: rgb(106,  
191, 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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