

Converting Colors

XYZ(37.5606, 40.7494, 79.9352)

Have a look what the booklet for
XYZ(37.5606, 40.7494, 79.9352)
contains.

XYZ(37.5533, 40.7728, 80.0194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5533, 40.7728,
80.0194)**

Conversions

Conversions Part 1

Format	Color
Hex	79B0E5
RGB	121, 176, 229
RGB Percent	47%, 69%, 90%
CMY	0.5255, 0.3098, 0.1020
CMYK	0.47, 0.23, 0.00, 0.10
HSL	209°, 68%, 69%
HSV	209°, 47%, 90%
XYZ	37.5533, 40.7728, 80.0194
YIQ	165.5970, -49.7930, 4.8230

Conversions

Conversions Part 2

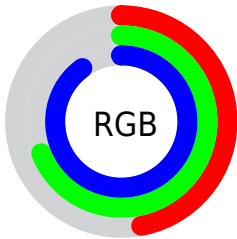
Format	Color
R_{YB}	121, 157, 229
Decimal	7975141
CIE _{Lab}	70.02, -3.87, -32.18
CIE _{LCh}	70, 32.413, 263.148
Yxy	40.7728, 0.2372, 0.2575
Android (android.graphics.Color)	4286165221 (0xFF79B0E5)
YUV	165.5970, 31.2577, -39.1116
Hunter-Lab	63.8536, -6.7651, -29.6029

Details

The XYZ color **37.5533, 40.7728, 80.0194** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.9014, 48.3117, 24.7328**, and the grayscale version is **35.9237, 37.7945, 41.1582**.

A 20% lighter version of the original color is **64.9860, 73.8368, 105.4345**, and **16.8004, 18.4892, 42.2185** is the 20% darker color. If you saturate the color by 10%, you get **32.6041, 35.0853, 79.1832**, and if you desaturate by 10%, it is **43.4494, 47.2209, 80.9540**.

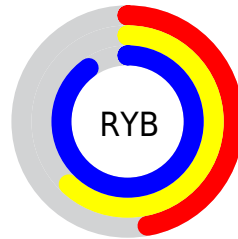
Distribution



Red (47%)

Green (69%)

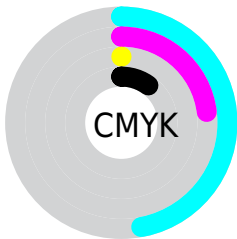
Blue (90%)



Red (47%)

Yellow (62%)

Blue (90%)

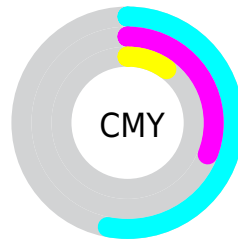


Cyan (47%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (53%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5533, 40.7728, 80.0194 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 37.5533, 40.7728, 80.0194 by changing the saturation by 10% instead.

■ 37.5533, 40.7728,
80.0194

■ 37.5533, 40.7728,
80.0194

327.0139,
349.3701, 514.7067

■ 25.8118, 28.1416,
59.2081

■ 70.7313, 76.3389,
135.2047

■ 16.8149, 18.4324,
42.3595

■ 92.8985, 100.0425,
170.4156

■ 10.1971, 11.2609,
29.0552

■ 119.2716,
128.2058, 211.2636

■ 5.5931, 6.2426,
18.8767

150.2160,
161.2131, 258.1670

■ 2.6376, 2.9932,
11.4053

186.0971,
199.4488, 311.5445

■ 0.9651, 1.1282,
6.2225

227.2802,

■ 0.0000, 0.0018,

243.2972, 371.8146

2.9099

274.1307,
293.1429, 439.3958

■ 0.0000, 0.0000,
1.0488

■ 0.0000, 0.0000,
0.0000

■ 37.5533, 40.7728,
80.0194

■ 37.5533, 40.7728,
80.0194

■ 32.6041, 35.0853,
79.1832

■ 43.4494, 47.2209,
80.9540

■ 28.5384, 30.1167,
78.4385

■ 50.3418, 54.4588,
81.9878

■ 25.2910, 25.8276,
77.7817

■ 58.2812, 62.5198,
83.1253

■ 22.7844, 22.1707,
77.2080

■ 67.3135, 71.4333,
84.3697

■ 20.9185, 19.0873,
76.7112

■ 77.4817, 81.2271,
85.7242

■ 20.4603, 18.2918,
76.5818

■ 87.5626, 91.2764,
87.1326

■ 91.0373, 98.2259,
88.2908

■ 91.1430, 98.4372,
88.3260

Harmonies

Analogous

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



32.9716, 40.7728, 71.9972



37.5533, 40.7728, 80.0194



42.8876, 40.7728, 76.8982

Triad

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



37.5533, 40.7728, 80.0194



48.8701, 40.7728, 33.9071



31.1762, 40.7728, 29.1254

Complementary

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



37.5533, 40.7728, 80.0194



50.9014, 48.3117, 24.7328

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.



34.8937, 40.7728, 22.6484



37.5533, 40.7728, 80.0194



45.1742, 40.7728, 24.9388

Square

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



37.5533, 40.7728, 80.0194



49.7456, 40.7728, 47.9589



39.9786, 40.7728, 21.3121



29.5128, 40.7728, 41.0115

Rectangle

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



37.5533, 40.7728, 80.0194



46.1279, 40.7728, 69.1980



39.9786, 40.7728, 21.3121



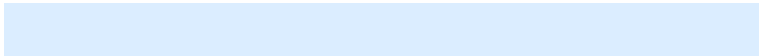
32.2099, 40.7728, 26.3641

Sweetspot

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



37.5547, 40.7743, 80.0204



77.7773, 83.1738, 106.5626



43.4678, 63.1294, 49.5323



16.1319, 17.2896, 22.7369



0.0000, 0.0000, 0.0000



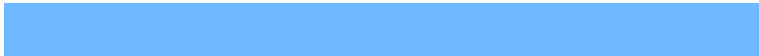
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5547, 40.7743, 80.0204



41.5093, 44.6572, 101.0397



29.0874, 23.8398, 77.1980



14.1866, 15.0946, 18.3102



11.8190, 10.7002, 43.8256



0.9663, 0.9766, 3.2695

Inverse Universe

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



46.9881, 33.4687, 45.0594



55.3956, 35.7834, 49.1543



63.2890, 73.0870, 28.8620



14.6818, 14.4899, 16.5246



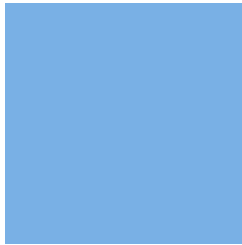
20.3592, 10.2779, 10.7865



1.5514, 0.7783, 1.0441

Previews

White Background



This preview shows how the XYZ color 37.5533, 40.7728, 80.0194 looks on a white background.

Color Contrast Check

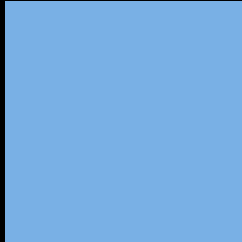
Large Text (above 18pt) WCAG AA × Fail

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 37.5533, 40.7728, 80.0194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

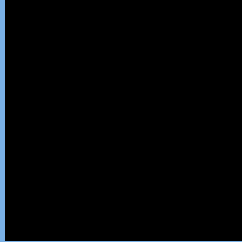
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5533, 40.7728, 80.0194

Background



This preview shows how black text looks on a background with the XYZ color 37.5533, 40.7728, 80.0194.



This preview shows how white text looks on a background with the XYZ color 37.5533, 40.7728,

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

37.5533, 40.7728, 80.0194

Protanopia

41.0322, 40.4009, 75.4476

Deuteranopia

41.5633, 40.5471, 81.2371



Tritanopia

33.3615, 40.8666, 58.9530

Trichromacy



Original Color

37.5533, 40.7728, 80.0194

Protanomaly

39.4812, 40.4017, 76.9516

Deuteranomaly

39.8303, 40.5017, 80.5812

Tritanomaly

34.9001, 40.8908, 66.3749

Monochromacy



Original Color

37.5533, 40.7728, 80.0194

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.1377, 38.9076, 53.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5533, 40.7728, 80.0194 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(121, 176, 229)` looks like.

```
.text, #text, p{  
    color:rgb(121, 176, 229)  
}
```

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(121, 176, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 176, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.5533, 40.7728, 80.0194 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(121, 176, 229) }
```


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

```
.border{ border-color:rgb(121, 176, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 176, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 176, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 176, 229);  
box-shadow:4px 4px 4px 4px rgb(121, 176,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5533, 40.7728, 80.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 176, 229) }
```

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

```
.background{ background-color: rgb(121,  
176, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor