

Converting Colors

XYZ(37.6584, 41.7682, 81.0431)

Have a look what the booklet for
XYZ(37.6584, 41.7682, 81.0431)
contains.

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Color

**XYZ(37.6055, 41.6664,
80.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	74B3E6
RGB	116, 179, 230
RGB Percent	45%, 70%, 90%
CMY	0.5451, 0.2980, 0.0980
CMYK	0.50, 0.22, 0.00, 0.10
HSL	207°, 70%, 68%
HSV	207°, 50%, 90%
XYZ	37.6055, 41.6664, 80.9233
YIQ	165.9770, -53.9190, 2.5050

Conversions

Conversions Part 2

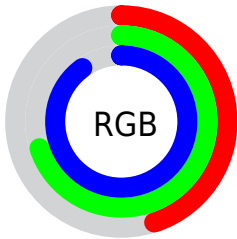
Format	Color
R _Y B	116, 157, 230
Decimal	7648230
CIE Lab	70.64, -6.39, -31.78
CIE LCh	71, 32.418, 258.638
Yxy	41.6664, 0.2347, 0.2601
Android (android.graphics.Color)	4285838310 (0xFF74B3E6)
YUV	165.9770, 31.5633, -43.8298
Hunter-Lab	64.5495, -8.9705, -29.1450

Details

The XYZ color **37.6055, 41.6664, 80.9233** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.6055, 45.7229, 22.7355**, and the grayscale version is **36.1067, 37.9871, 41.3679**.

A 20% lighter version of the original color is **64.9919, 75.5209, 105.7593**, and **16.7882, 18.8476, 42.7975** is the 20% darker color. If you saturate the color by 10%, you get **32.9325, 36.3100, 80.1365**, and if you desaturate by 10%, it is **43.1920, 47.7238, 81.7988**.

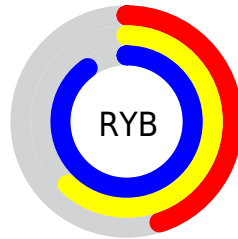
Distribution



Red (45%)

Green (70%)

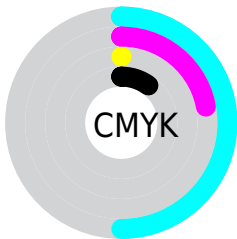
Blue (90%)



Red (45%)

Yellow (62%)

Blue (90%)

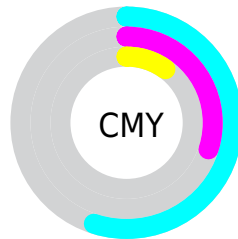


Cyan (50%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (55%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6055, 41.6664, 80.9233 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 37.6055, 41.6664, 80.9233 by changing the saturation by 10% instead.

■ 37.6055, 41.6664,
80.9233

■ 37.6055, 41.6664,
80.9233

327.2348,
353.0982, 517.8276

■ 25.8525, 28.8402,
59.9478

■ 70.8109, 77.6945,
136.4862

■ 16.8454, 18.9599,
42.9515

■ 92.9939, 101.6651,
171.9106

■ 10.2190, 11.6413,
29.5160

■ 119.3844,
130.1194, 212.9885

■ 5.6077, 6.5000,
19.2226

150.3476,
163.4416, 260.1383

■ 2.6464, 3.1514,
11.6528

186.2488,
202.0162, 313.7785

■ 0.9697, 1.2113,
6.3881

227.4536,

■ 0.0000, 0.0709,

246.2275, 374.3278

3.0099

274.3271,
296.4601, 442.2046

■ 0.0000, 0.0000,
1.0997

■ 0.0000, 0.0000,
0.0000

■ 37.6055, 41.6664,
80.9233

■ 37.6055, 41.6664,
80.9233

■ 32.9325, 36.3100,
80.1365

■ 43.1920, 47.7238,
81.7988

■ 29.1085, 31.6141,
79.4316

■ 49.7421, 54.5103,
82.7635

■ 26.0666, 27.5396,
78.8055

■ 57.3069, 62.0580,
83.8217

■ 23.7261, 24.0399,
78.2533

■ 65.9326, 70.3949,
84.9762

■ 21.9569, 21.0423,
77.7680

■ 75.6623, 79.5478,
86.2301

■ 21.8861, 20.9193,
77.7480

■ 86.5367, 89.5420,
87.5860

■ 90.0295, 95.9861,
88.6458

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



33.1710, 41.6664, 71.3433



37.6055, 41.6664, 80.9233



42.9910, 41.6664, 79.5046

Triad

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



37.6055, 41.6664, 80.9233



50.2009, 41.6664, 36.5675



32.3554, 41.6664, 28.5149

Complementary

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



37.6055, 41.6664, 80.9233



49.6055, 45.7229, 22.7355

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.



36.3972, 41.6664, 22.7409



37.6055, 41.6664, 80.9233



46.8162, 41.6664, 26.6138

Square

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



37.6055, 41.6664, 80.9233



50.5988, 41.6664, 51.4386



41.6693, 41.6664, 22.1342



30.3276, 41.6664, 39.7942

Rectangle

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



37.6055, 41.6664, 80.9233



46.3977, 41.6664, 72.5703



41.6693, 41.6664, 22.1342



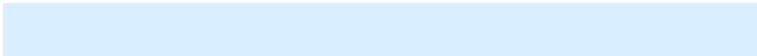
33.5058, 41.6664, 25.9865

Sweetspot

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



37.6069, 41.6679, 80.9243



77.1330, 83.0174, 106.5664



42.3286, 63.0389, 45.7269



16.0249, 17.2984, 22.7443



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.



37.6069, 41.6679, 80.9243



41.7408, 46.0316, 101.2928



28.6445, 23.7431, 77.9368



14.2399, 15.2012, 18.3279



12.5144, 12.0910, 44.0574



1.0172, 1.0783, 3.2865

Inverse Universe

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



47.0164, 32.5700, 46.4579



55.2899, 34.8893, 51.2240



62.0142, 70.5402, 26.8717



14.7087, 14.5007, 16.6663



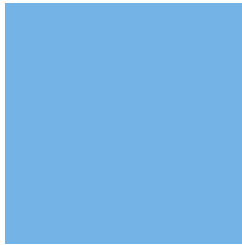
20.7102, 10.4183, 12.6349



1.5771, 0.7885, 1.1793

Previews

White Background



This preview shows how the XYZ color 37.6055, 41.6664, 80.9233 looks on a white background.

Color Contrast Check

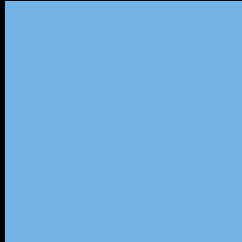
Large Text (above 18pt) WCAG AA × Fail

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 37.6055, 41.6664, 80.9233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

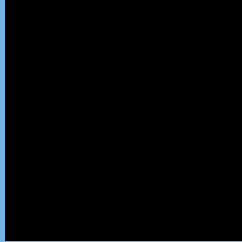
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6055, 41.6664, 80.9233

Background



This preview shows how black text looks on a background with the XYZ color 37.6055, 41.6664, 80.9233.



This preview shows how white text looks on a background with the XYZ color 37.6055, 41.6664,

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

37.6055, 41.6664, 80.9233

Protanopia

41.7946, 41.3463, 75.5899

Deuteranopia

42.4578, 41.5442, 82.1250



Tritanopia

33.6016, 41.8856, 60.3466

Trichromacy



Original Color

37.6055, 41.6664, 80.9233

Protanomaly

39.9987, 41.2178, 77.7992

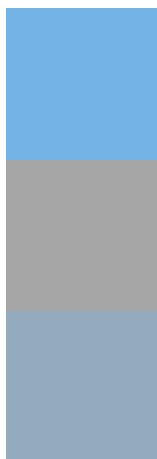
Deuteranomaly

40.3519, 41.3194, 81.4500

Tritanomaly

34.9968, 41.8351, 67.2032

Monochromacy



Original Color

37.6055, 41.6664, 80.9233

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.9610, 39.0958, 53.7950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6055, 41.6664, 80.9233 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(116, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(116, 179, 230)  
}
```

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(116, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 179, 230) }
```

Border

The CSS property to change the border of an element to XYZ 37.6055, 41.6664, 80.9233 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(116, 179, 230) }
```


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

```
.border{ border-color:rgb(116, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 179, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 179, 230); box-shadow:4px 4px 4px 4px rgb(116, 179, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6055, 41.6664, 80.9233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 179, 230) }
```

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

```
.background{ background-color: rgb(116,  
179, 230) }
```

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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