

Converting Colors

XYZ(37.2171, 40.4465, 76.4990)

Have a look what the booklet for
XYZ(37.2171, 40.4465, 76.4990)
contains.

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Color

**XYZ(37.0967, 40.3268,
76.3497)**

Conversions

Conversions Part 1

Format	Color
Hex	7CAFE0
RGB	124, 175, 224
RGB Percent	49%, 69%, 88%
CMY	0.5137, 0.3137, 0.1216
CMYK	0.45, 0.22, 0.00, 0.12
HSL	209°, 62%, 68%
HSV	209°, 45%, 88%
XYZ	37.0967, 40.3268, 76.3497
YIQ	165.3370, -46.1250, 4.4270

Conversions

Conversions Part 2

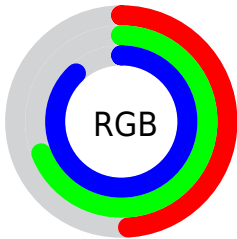
Format	Color
RYB	124, 158, 224
Decimal	8171488
CIELab	69.70, -4.00, -29.92
CIElCh	70, 30.188, 262.379
Yxy	40.3268, 0.2412, 0.2622
Android (android.graphics.Color)	4286361568 (0xFF7CAFE0)
YUV	165.3370, 28.9209, -36.2525
Hunter-Lab	63.5034, -6.8568, -26.8316

Details

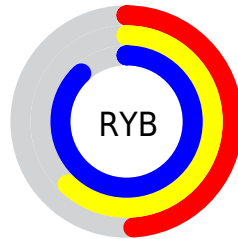
The XYZ color **37.0967, 40.3268, 76.3497** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.3233, 47.1911, 25.5795**, and the grayscale version is **35.8084, 37.6732, 41.0261**.

A 20% lighter version of the original color is **65.1692, 73.5169, 105.3631**, and **16.6283, 18.2594, 40.1841** is the 20% darker color. If you saturate the color by 10%, you get **32.1697, 34.7441, 75.5325**, and if you desaturate by 10%, it is **42.9353, 46.6389, 77.2611**.

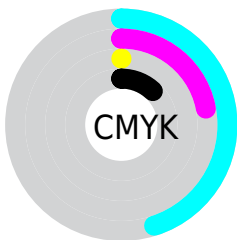
Distribution



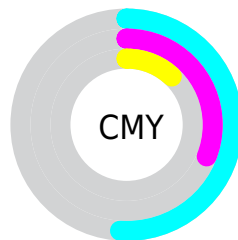
- Red (49%)
- Green (69%)
- Blue (88%)



- Red (49%)
- Yellow (62%)
- Blue (88%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (12%)



- Cyan (51%)
- Magenta (31%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0967, 40.3268, 76.3497 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 37.0967, 40.3268, 76.3497 by changing the saturation by 10% instead.

■ 37.0967, 40.3268,
76.3497

■ 37.0967, 40.3268,
76.3497

325.0773,
347.4991, 501.9226

■ 25.4564, 27.7934,
56.2109

■ 70.0344, 75.6609,
129.9857

■ 16.5479, 18.1700,
39.9669

■ 92.0624, 99.2304,
164.3201

■ 10.0060, 11.0721,
27.1992

■ 118.2837,
127.2475, 204.2233

■ 5.4652, 6.1154,
17.4891

149.0637,
160.0964, 250.1141

■ 2.5603, 2.9154,
10.4182

184.7677,
198.1616, 302.4108

■ 0.9258, 1.0877,
5.5679

225.7611,

■ 0.0000, 0.0000,

241.8275, 361.5321

2.5197

272.4091,
291.4786, 427.8966

■ 0.0000, 0.0000,
0.8505

■ 0.0000, 0.0000,
0.0000

■ 37.0967, 40.3268,
76.3497

■ 37.0967, 40.3268,
76.3497

■ 32.1697, 34.7441,
75.5325

■ 42.9353, 46.6389,
77.2611

■ 28.0957, 29.8519,
74.8030

■ 49.7311, 53.7073,
78.2672

■ 24.8150, 25.6142,
74.1579

■ 57.5312, 61.5629,
79.3724

■ 22.2573, 21.9879,
73.5928

■ 66.3784, 70.2332,
80.5796

■ 20.3376, 18.9225,
73.1023

■ 76.3128, 79.7442,
81.8919

■ 19.4992, 17.4708,
72.8663

■ 86.1083, 89.4691,
83.2527

■ 89.4534, 96.1593,
84.3677

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



32.8746, 40.3268, 68.8609



37.0967, 40.3268, 76.3497



42.0197, 40.3268, 73.7916

Triad

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



37.0967, 40.3268, 76.3497



47.6918, 40.3268, 34.4389



31.3577, 40.3268, 29.4446

Complementary

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



37.0967, 40.3268, 76.3497



49.3233, 47.1911, 25.5795

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.



34.8618, 40.3268, 23.4289



37.0967, 40.3268, 76.3497



44.3565, 40.3268, 25.8561

Square

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



37.0967, 40.3268, 76.3497



48.4182, 40.3268, 47.5755



39.5891, 40.3268, 22.2715



29.7495, 40.3268, 40.4359

Rectangle

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



37.0967, 40.3268, 76.3497



45.0186, 40.3268, 66.9402



39.5891, 40.3268, 22.2715



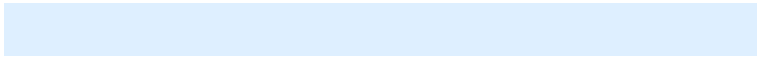
32.3380, 40.3268, 26.8783

Sweetspot

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



37.0980, 40.3283, 76.3507



78.9235, 84.3164, 106.7227



42.4475, 60.5888, 48.6569



16.3590, 17.5177, 22.7690



0.0000, 0.0000, 0.0000



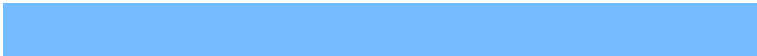
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0980, 40.3283, 76.3507



43.3088, 46.7873, 101.3560



29.1864, 24.5051, 73.7135



13.5271, 14.3933, 17.4529



11.4653, 10.4002, 42.4515



0.8843, 0.9000, 2.9724

Inverse Universe

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



45.6872, 33.3592, 44.5898



56.6625, 37.6631, 51.5932



60.5894, 69.7232, 29.3348



13.9975, 13.8166, 15.7570



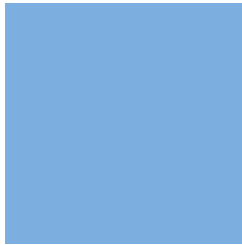
19.7274, 9.9579, 10.4960



1.4126, 0.7083, 0.9656

Previews

White Background



This preview shows how the XYZ color 37.0967, 40.3268, 76.3497 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 37.0967, 40.3268, 76.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

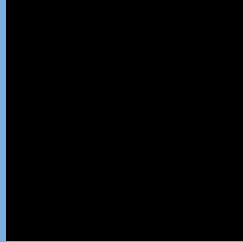
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0967, 40.3268, 76.3497

Background



This preview shows how black text looks on a background with the XYZ color 37.0967, 40.3268, 76.3497.



This preview shows how white text looks on a background with the XYZ color 37.0967, 40.3268,

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

37.0967, 40.3268, 76.3497

Protanopia

40.4991, 40.1877, 72.6403

Deuteranopia

41.0638, 40.0970, 77.5267



Tritanopia

33.3740, 40.2957, 57.6486

Trichromacy



Original Color

37.0967, 40.3268, 76.3497

Protanomaly

39.1157, 40.2756, 74.1190

Deuteranomaly

39.4669, 40.1150, 76.8970

Tritanomaly

34.6687, 40.2190, 64.3283

Monochromacy



Original Color

37.0967, 40.3268, 76.3497

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.6286, 38.4051, 51.9895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0967, 40.3268, 76.3497 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(124, 175, 224)` looks like.

```
.text, #text, p{  
    color:rgb(124, 175, 224)  
}
```

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(124, 175, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 175, 224) }
```

Border

The CSS property to change the border of an element to XYZ 37.0967, 40.3268, 76.3497 is called "border". The border property can be set on classes, ids or directly on the HTML element.

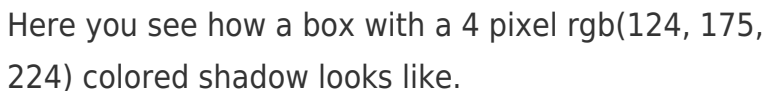
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 175, 224) }
```


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

```
.border{ border-color:rgb(124, 175, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(124, 175, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 175, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 175, 224); box-shadow:4px 4px 4px 4px rgb(124, 175, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0967, 40.3268, 76.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 175, 224) }
```

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

```
.background{ background-color: rgb(124,  
175, 224) }
```

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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