

Converting Colors

XYZ(37.1808, 40.4180, 84.2766)

Have a look what the booklet for
XYZ(37.1808, 40.4180, 84.2766)
contains.

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Color

**XYZ(37.2028, 40.4936,
84.4525)**

Conversions

Conversions Part 1

Format	Color
Hex	70B0EB
RGB	112, 176, 235
RGB Percent	44%, 69%, 92%
CMY	0.5608, 0.3098, 0.0784
CMYK	0.52, 0.25, 0.00, 0.08
HSL	209°, 75%, 68%
HSV	209°, 52%, 92%
XYZ	37.2028, 40.4936, 84.4525
YIQ	163.5900, -57.0830, 4.7810

Conversions

Conversions Part 2

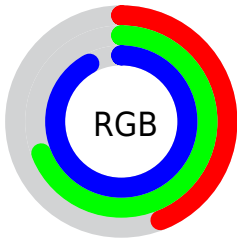
Format	Color
R _Y B	112, 154, 235
Decimal	7385323
CIE Lab	69.82, -4.16, -35.79
CIE LCh	70, 36.035, 263.364
Yxy	40.4936, 0.2294, 0.2497
Android (android.graphics.Color)	4285575403 (0xFF70B0EB)
YUV	163.5900, 35.2051, -45.2444
Hunter-Lab	63.6346, -7.0037, -34.1424

Details

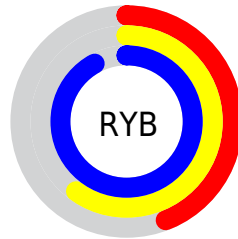
The XYZ color **37.2028, 40.4936, 84.4525** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.7498, 47.9595, 21.8604**, and the grayscale version is **34.9509, 36.7711, 40.0437**.

A 20% lighter version of the original color is **63.2035, 72.9179, 105.3511**, and **16.6597, 18.3481, 45.3113** is the 20% darker color. If you saturate the color by 10%, you get **32.4746, 34.9107, 83.6249**, and if you desaturate by 10%, it is **42.8975, 46.8487, 85.3798**.

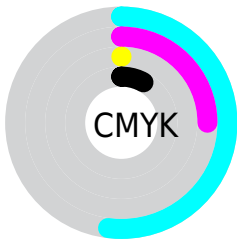
Distribution



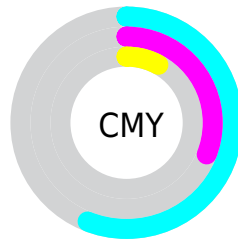
- Red (44%)
- Green (69%)
- Blue (92%)



- Red (44%)
- Yellow (60%)
- Blue (92%)



- Cyan (52%)
- Magenta (25%)
- Yellow (0%)
- Black (8%)



- Cyan (56%)
- Magenta (31%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2028, 40.4936, 84.4525 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 37.2028, 40.4936, 84.4525 by changing the saturation by 10% instead.

■ 37.2028, 40.4936,
84.4525

■ 37.2028, 40.4936,
84.4525

325.5280,
348.1997, 529.9119

■ 25.5389, 27.9236,
62.8415

■ 70.1964, 75.9146,
141.4753

■ 16.6099, 18.2681,
45.2729

■ 92.2568, 99.5343,
177.7243

■ 10.0503, 11.1426,
31.3279

■ 118.5135,
127.6061, 219.6897

■ 5.4949, 6.1628,
20.5881

149.3318,
160.5144, 267.7901

■ 2.5782, 2.9444,
12.6350

185.0770,
198.6435, 322.4439

■ 0.9348, 1.1028,
7.0499

226.1146,

■ 0.0000, 0.0000,

242.3778, 384.0698

3.4144

272.8098,
292.1017, 453.0863

■ 0.0000, 0.0000,
1.3099

■ 0.0000, 0.0000,
0.0699

■ 37.2028, 40.4936,
84.4525

■ 37.2028, 40.4936,
84.4525

■ 32.4746, 34.9107,
83.6249

■ 42.8975, 46.8487,
85.3798

■ 28.6422, 30.0548,
82.8896

■ 49.6142, 54.0087,
86.4078

■ 25.6309, 25.8813,
82.2427

■ 57.4088, 62.0094,
87.5413

■ 23.3497, 22.3361,
81.6787

■ 66.3317, 70.8827,
88.7837

■ 21.9890, 19.9852,
81.2966

■ 76.4298, 80.6586,
90.1384

■ 87.7475, 91.3655,
91.6085

■ 91.9669, 98.7209,
92.8059

■ 91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



32.1587, 40.4936, 75.3207



37.2028, 40.4936, 84.4525



43.1232, 40.4936, 80.7663

Triad

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



37.2028, 40.4936, 84.4525



49.7644, 40.4936, 32.5097



30.1493, 40.4936, 27.5265

Complementary

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



37.2028, 40.4936, 84.4525



51.7498, 47.9595, 21.8604

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.



34.1974, 40.4936, 20.6375



37.2028, 40.4936, 84.4525



45.5975, 40.4936, 22.9638

Square

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



37.2028, 40.4936, 84.4525



50.7765, 40.4936, 47.9187



39.8024, 40.4936, 19.2095



28.3616, 40.4936, 40.4721

Rectangle

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



37.2028, 40.4936, 84.4525



46.7393, 40.4936, 71.9007



39.8024, 40.4936, 19.2095



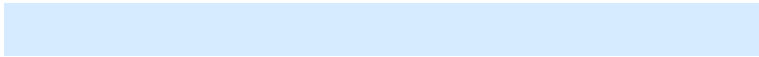
31.2698, 40.4936, 24.5733

Sweetspot

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



37.2042, 40.4951, 84.4535



75.6713, 81.2090, 106.2943



43.5908, 65.7421, 48.1270



15.7201, 16.9083, 22.6850



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.



37.2042, 40.4951, 84.4535



38.6105, 41.4351, 100.5705



27.9359, 21.9584, 81.3640



14.8796, 15.8457, 19.1965



12.3665, 11.3800, 45.2877



1.0674, 1.0862, 3.5883

Inverse Universe

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



47.8928, 32.3866, 44.8027



53.3037, 32.5397, 45.5592



65.7345, 75.9288, 26.5220



15.3928, 15.1850, 17.3538



21.0973, 10.6416, 11.5799



1.7052, 0.8551, 1.1652

Previews

White Background



This preview shows how the XYZ color 37.2028, 40.4936, 84.4525 looks on a white background.

Color Contrast Check

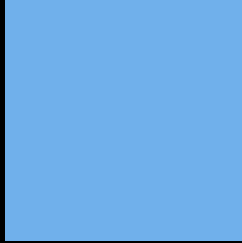
Large Text (above 18pt) WCAG AA × Fail

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 37.2028, 40.4936, 84.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

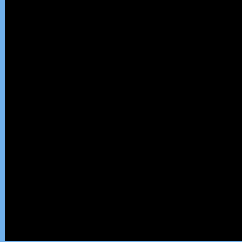
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2028, 40.4936, 84.4525

Background



This preview shows how black text looks on a background with the XYZ color 37.2028, 40.4936, 84.4525.



This preview shows how white text looks on a background with the XYZ color 37.2028, 40.4936,

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

37.2028, 40.4936, 84.4525

Protanopia

41.0944, 40.3378, 79.7488

Deuteranopia

41.3213, 40.3227, 85.7260



Tritanopia

32.2721, 40.5968, 59.5611

Trichromacy



Original Color

37.2028, 40.4936, 84.4525

Protanomaly

39.3032, 40.2137, 81.2918

Deuteranomaly

39.5347, 40.2503, 85.0423

Tritanomaly

33.7880, 40.2887, 67.6237

Monochromacy



Original Color

37.2028, 40.4936, 84.4525

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.9739, 37.7427, 54.1569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2028, 40.4936, 84.4525 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(112, 176, 235)` looks like.

```
.text, #text, p{  
    color:rgb(112, 176, 235)  
}
```

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(112, 176, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 176, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.2028, 40.4936, 84.4525 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(112, 176, 235) }
```


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

```
.border{ border-color:rgb(112, 176, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 176, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 176, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 176, 235);  
box-shadow:4px 4px 4px 4px rgb(112, 176,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2028, 40.4936, 84.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 176, 235) }
```

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

```
.background{ background-color: rgb(112,  
176, 235) }
```

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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