

Converting Colors

XYZ(36.0739, 40.2348, 74.2724)

Have a look what the booklet for
XYZ(36.0739, 40.2348, 74.2724)
contains.

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Color

**XYZ(36.0477, 40.1227,
74.2511)**

Conversions

Conversions Part 1

Format	Color
Hex	76B0DD
RGB	118, 176, 221
RGB Percent	46%, 69%, 87%
CMY	0.5372, 0.3098, 0.1333
CMYK	0.47, 0.20, 0.00, 0.13
HSL	206°, 60%, 66%
HSV	206°, 47%, 87%
XYZ	36.0477, 40.1227, 74.2511
YIQ	163.7880, -49.0130, 1.6990

Conversions

Conversions Part 2

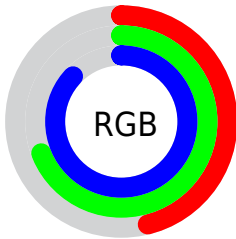
Format	Color
R _{YB}	118, 155, 221
Decimal	7778525
CIE Lab	69.56, -6.86, -28.53
CIE LCh	70, 29.340, 256.486
Yxy	40.1227, 0.2396, 0.2667
Android (android.graphics.Color)	4285968605 (0xFF76B0DD)
YUV	163.7880, 28.2055, -40.1561
Hunter-Lab	63.3425, -9.2664, -25.1610

Details

The XYZ color **36.0477, 40.1227, 74.2511** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.1871, 42.8758, 22.9825**, and the grayscale version is **35.0740, 36.9006, 40.1847**.

A 20% lighter version of the original color is **64.5858, 74.0472, 105.4962**, and **16.0151, 18.1606, 38.7377** is the 20% darker color. If you saturate the color by 10%, you get **31.5646, 35.1011, 73.5189**, and if you desaturate by 10%, it is **41.3711, 45.7790, 75.0630**.

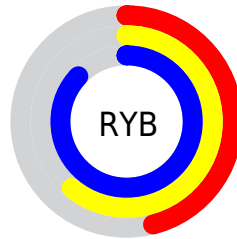
Distribution



Red (46%)

Green (69%)

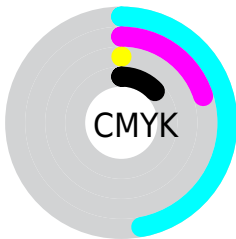
Blue (87%)



Red (46%)

Yellow (61%)

Blue (87%)

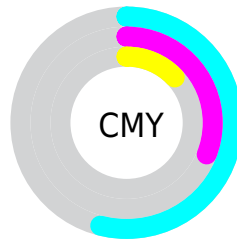


Cyan (47%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (54%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0477, 40.1227, 74.2511 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 36.0477, 40.1227, 74.2511 by changing the saturation by 10% instead.

■ 36.0477, 40.1227,
74.2511

■ 36.0477, 40.1227,
74.2511

320.5966,
346.6405, 494.5261

■ 24.6413, 27.6342,
54.5015

■ 68.4291, 75.3503,
126.9890

■ 15.9373, 18.0501,
38.6069

■ 90.1348, 98.8583,
160.8145

■ 9.5704, 10.9860,
26.1486

■ 116.0043,
126.8081, 200.1690

■ 5.1751, 6.0574,
16.7081

146.4030,
159.5843, 245.4711

■ 2.3862, 2.8800,
9.8668

181.6962,
197.5713, 297.1393

■ 0.8382, 1.0694,
5.2063

222.2493,

■ 0.0000, 0.0000,

241.1534, 355.5922

2.3080

268.4276,
290.7150, 421.2483

■ 0.0000, 0.0000,
0.7357

■ 0.0000, 0.0000,
0.0000

■ 36.0477, 40.1227,
74.2511

■ 36.0477, 40.1227,
74.2511

■ 31.5646, 35.1011,
73.5189

■ 41.3711, 45.7790,
75.0630

■ 27.8653, 30.6786,
72.8602

■ 47.5787, 52.0942,
75.9548

■ 24.8917, 26.8217,
72.2725

■ 54.7155, 59.0963,
76.9302

■ 22.5752, 23.4906,
71.7516

■ 62.8223, 66.8101,
77.9918

■ 20.8287, 20.6360,
71.2927

■ 71.9375, 75.2589,
79.1422

■ 20.3152, 19.7483,
71.1484

■ 82.0971, 84.4650,
80.3837

■ 86.5188, 90.9355,
81.3996

■ 89.4941, 96.8861,
82.3914

■ 90.0513, 98.0005,
82.5771

Harmonies

Analogous

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



32.2053, 40.1227, 65.4497



36.0477, 40.1227, 74.2511



40.7772, 40.1227, 73.7538

Triad

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



36.0477, 40.1227, 74.2511



47.5463, 40.1227, 36.6988



31.9079, 40.1227, 28.0839

Complementary

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



36.0477, 40.1227, 74.2511



46.1871, 42.8758, 22.9825

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.



35.6102, 40.1227, 23.1547



36.0477, 40.1227, 74.2511



44.7522, 40.1227, 27.3778

Square

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



36.0477, 40.1227, 74.2511



47.6880, 40.1227, 50.0660



40.3022, 40.1227, 22.9262



29.9522, 40.1227, 37.8739

Rectangle

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



36.0477, 40.1227, 74.2511



43.8080, 40.1227, 68.1760



40.3022, 40.1227, 22.9262



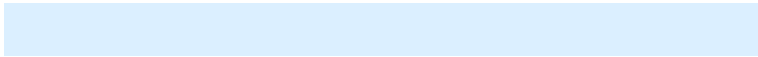
32.9750, 40.1227, 25.9010

Sweetspot

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



36.0490, 40.1242, 74.2521



78.3384, 84.2959, 106.7496



39.9069, 58.1966, 43.6095



16.2685, 17.5629, 22.7825



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.



36.0490, 40.1242, 74.2521



43.7419, 48.6465, 101.6920



27.8404, 23.7070, 71.5159



12.9440, 13.8277, 16.6389



11.9160, 11.7014, 41.3690



0.8572, 0.9285, 2.7085

Inverse Universe

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



44.1348, 31.4650, 44.8230



56.6387, 36.7255, 54.3290



57.1700, 64.8417, 26.6435



13.3616, 13.1737, 15.1653



19.5100, 9.8050, 12.3314



1.3070, 0.6524, 1.0254

Previews

White Background



This preview shows how the XYZ color 36.0477, 40.1227, 74.2511 looks on a white background.

Color Contrast Check

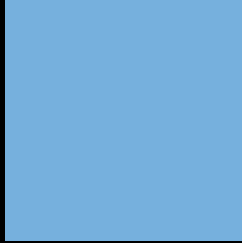
Large Text (above 18pt) WCAG AA × Fail

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 36.0477, 40.1227, 74.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

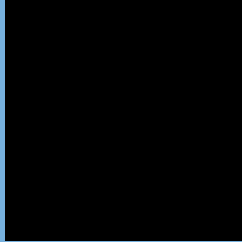
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0477, 40.1227, 74.2511

Background



This preview shows how black text looks on a background with the XYZ color 36.0477, 40.1227, 74.2511.



This preview shows how white text looks on a background with the XYZ color 36.0477, 40.1227,

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

36.0477, 40.1227, 74.2511

Protanopia

39.9891, 39.7118, 69.8475

Deuteranopia

40.8483, 40.0331, 75.3863



Tritanopia

32.8046, 40.3029, 57.6800

Trichromacy



Original Color

36.0477, 40.1227, 74.2511

Protanomaly

38.2268, 39.5988, 71.2742

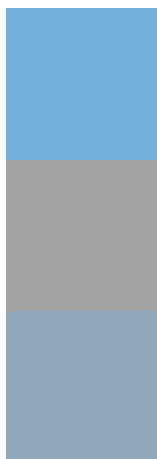
Deuteranomaly

38.7149, 39.7742, 74.7439

Tritanomaly

33.8292, 40.1105, 63.0859

Monochromacy



Original Color

36.0477, 40.1227, 74.2511

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7922, 37.7111, 51.3442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0477, 40.1227, 74.2511 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(118, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(118, 176, 221)  
}
```

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(118, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 176, 221) }
```

Border

The CSS property to change the border of an element to XYZ 36.0477, 40.1227, 74.2511 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(118, 176, 221) }
```


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

```
.border{ border-color:rgb(118, 176, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 176, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(118, 176,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0477, 40.1227, 74.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 176, 221) }
```

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

```
.background{ background-color: rgb(118,  
176, 221) }
```

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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