

Converting Colors

XYZ(34.6322, 39.9397, 70.0122)

Have a look what the booklet for
XYZ(34.6322, 39.9397, 70.0122)
contains.

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Color

**XYZ(34.7417, 40.1266,
70.2041)**

Conversions

Conversions Part 1

Format	Color
Hex	6FB2D7
RGB	111, 178, 215
RGB Percent	44%, 70%, 84%
CMY	0.5647, 0.3019, 0.1569
CMYK	0.48, 0.17, 0.00, 0.16
HSL	201°, 57%, 64%
HSV	201°, 48%, 84%
XYZ	34.7417, 40.1266, 70.2041
YIQ	162.1850, -51.8090, -2.6970

Conversions

Conversions Part 2

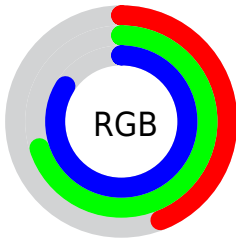
Format	Color
R_{YB}	111, 152, 215
Decimal	7320279
CIE _{Lab}	69.56, -11.29, -25.27
CIE _{LCh}	70, 27.674, 245.916
Yxy	40.1266, 0.2395, 0.2766
Android (android.graphics.Color)	4285510359 (0xFF6FB2D7)
YUV	162.1850, 26.0378, -44.8892
Hunter-Lab	63.3456, -12.9569, -21.3675

Details

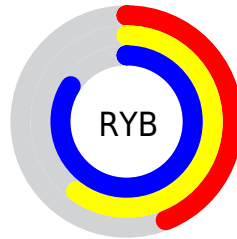
The XYZ color **34.7417, 40.1266, 70.2041** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.4846, 36.7758, 19.9523**, and the grayscale version is **34.3297, 36.1175, 39.3320**.

A 20% lighter version of the original color is **63.6213, 74.3905, 105.6133**, and **15.1470, 17.9622, 35.9264** is the 20% darker color. If you saturate the color by 10%, you get **30.8755, 35.9376, 69.6000**, and if you desaturate by 10%, it is **39.3464, 44.8240, 70.8688**.

Distribution



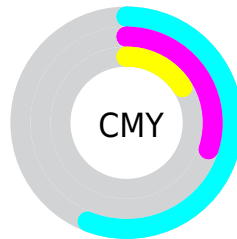
- Red (44%)
- Green (70%)
- Blue (84%)



- Red (44%)
- Yellow (60%)
- Blue (84%)



- Cyan (48%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (56%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7417, 40.1266, 70.2041 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 34.7417, 40.1266, 70.2041 by changing the saturation by 10% instead.

■ 34.7417, 40.1266,
70.2041

■ 34.7417, 40.1266,
70.2041

314.9548,
346.6569, 480.0748

■ 23.6296, 27.6373,
51.2151

■ 66.4221, 75.3563,
121.1836

■ 15.1823, 18.0524,
36.0019

■ 87.7210, 98.8654,
154.0112

■ 9.0346, 10.9876,
24.1460

■ 113.1463,
126.8165, 192.2888

■ 4.8210, 6.0585,
15.2287

143.0632,
159.5941, 236.4348

■ 2.1763, 2.8807,
8.8317

177.8372,
197.5826, 286.8679

■ 0.7302, 1.0698,
4.5362

217.8335,

■ 0.0000, 0.0000,

241.1663, 344.0066

1.9239

263.4176,
290.7296, 408.2694

■ 0.0000, 0.0000,
0.5079

■ 0.0000, 0.0000,
0.0000

■ 34.7417, 40.1266,
70.2041

■ 34.7417, 40.1266,
70.2041

■ 30.8755, 35.9376,
69.6000

■ 39.3464, 44.8240,
70.8688

■ 27.6950, 32.2252,
69.0511

■ 44.7298, 50.0500,
71.5938

■ 25.1461, 28.9603,
68.5553

■ 50.9336, 55.8288,
72.3823

■ 23.1640, 26.1073,
68.1090

■ 57.9954, 62.1817,
73.2363

■ 21.6525, 23.6145,
67.7075

■ 65.9501, 69.1286,
74.1579

■ 21.4279, 23.2303,
67.6452

■ 74.8309, 76.6884,
75.1490

■ 82.2348, 83.6242,
76.0976

■ 84.4294, 88.0135,
76.8291

■ 86.7189, 92.5924,
77.5922

Harmonies

Analogous

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



31.5997, 40.1266, 59.7608



34.7417, 40.1266, 70.2041



39.0310, 40.1266, 72.9971

Triad

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



34.7417, 40.1266, 70.2041



47.3325, 40.1266, 41.2051



33.3211, 40.1266, 26.6492

Complementary

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



34.7417, 40.1266, 70.2041



41.4846, 36.7758, 19.9523

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.



37.2609, 40.1266, 23.5128



34.7417, 40.1266, 70.2041



45.5237, 40.1266, 30.7960

Square

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



34.7417, 40.1266, 70.2041



46.5269, 40.1266, 54.5129



41.7511, 40.1266, 24.8676



30.8254, 40.1266, 34.4055

Rectangle

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



34.7417, 40.1266, 70.2041



42.0161, 40.1266, 69.7491



41.7511, 40.1266, 24.8676



34.5083, 40.1266, 25.0966

Sweetspot

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



34.7430, 40.1281, 70.2051



78.1625, 85.0763, 106.9095



36.1551, 54.1005, 36.3070



16.2732, 17.7950, 22.8270



0.0000, 0.0000, 0.0000



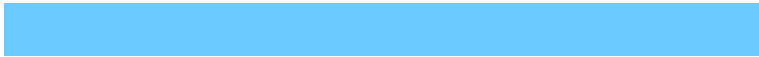
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7430, 40.1281, 70.2051



45.3358, 52.7727, 102.4044



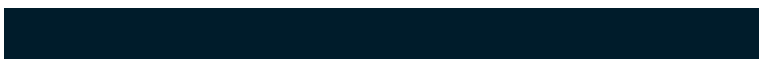
26.3604, 23.3629, 67.4109



12.4032, 13.3299, 15.8567



12.9196, 14.1010, 40.4940



0.8560, 1.0041, 2.4680

Inverse Universe

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



41.7458, 29.0317, 45.5244



57.2141, 36.0787, 60.0631



51.4101, 56.6270, 23.2608



12.7567, 12.5542, 14.6592



19.5801, 9.7684, 15.6246



1.2197, 0.6047, 1.1465

Previews

White Background



This preview shows how the XYZ color 34.7417, 40.1266, 70.2041 looks on a white background.

Color Contrast Check

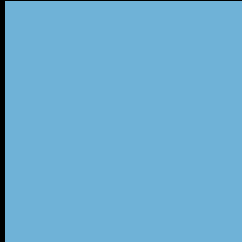
Large Text (above 18pt) WCAG AA × Fail

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 34.7417, 40.1266, 70.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

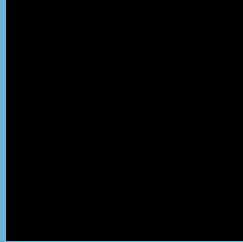
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7417, 40.1266, 70.2041

Background



This preview shows how black text looks on a background with the XYZ color 34.7417, 40.1266, 70.2041.

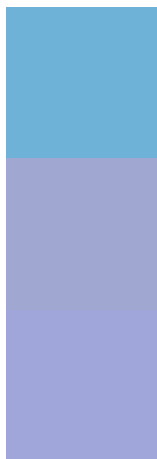


This preview shows how white text looks on a background with the XYZ color 34.7417, 40.1266,

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

34.7417, 40.1266, 70.2041

Protanopia

39.7011, 39.6651, 65.2382

Deuteranopia

40.7883, 39.8080, 71.8636



Tritanopia

32.3134, 40.0365, 58.2493

Trichromacy



Original Color

34.7417, 40.1266, 70.2041

Protanomaly

37.4761, 39.5798, 67.2925

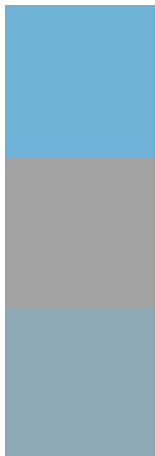
Deuteranomaly

38.0544, 39.5100, 71.2661

Tritanomaly

33.1642, 40.0801, 62.4882

Monochromacy



Original Color

34.7417, 40.1266, 70.2041

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6708, 37.1811, 49.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7417, 40.1266, 70.2041 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(111, 178, 215)` looks like.

```
.text, #text, p{  
    color:rgb(111, 178, 215)  
}
```

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(111, 178, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 178, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.7417, 40.1266, 70.2041 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(111, 178, 215) }
```


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

```
.border{ border-color:rgb(111, 178, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 178, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 178, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 178, 215);  
box-shadow:4px 4px 4px 4px rgb(111, 178,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7417, 40.1266, 70.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 178, 215) }
```

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

```
.background{ background-color: rgb(111,  
178, 215) }
```

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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