

Converting Colors

XYZ(42.5691, 44.0785,
105.1786)

Have a look what the booklet for
XYZ(42.5691, 44.0785, 105.1786)
contains.

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Color

**XYZ(41.7074, 43.6444,
100.8337)**

Conversions

Conversions Part 1

Format	Color
Hex	75B4FF
RGB	117, 180, 255
RGB Percent	46%, 71%, 100%
CMY	0.5411, 0.2941, 0.0000
CMYK	0.54, 0.29, 0.00, 0.00
HSL	213°, 100%, 73%
HSV	213°, 54%, 100%
XYZ	41.7074, 43.6444, 100.8337
YIQ	169.7130, -61.6230, 9.9690

Conversions

Conversions Part 2

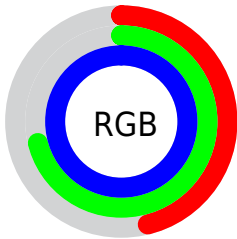
Format	Color
RYB	117, 160, 255
Decimal	7714047
CIELab	71.99, 0.68, -43.24
CIELCh	72, 43.243, 270.906
Yxy	43.6444, 0.2240, 0.2344
Android (android.graphics.Color)	4285904127 (0xFF75B4FF)
YUV	169.7130, 42.0465, -46.2293
Hunter-Lab	66.0639, -2.9214, -44.2499

Details

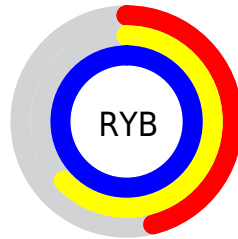
The XYZ color **41.7074, 43.6444, 100.8337** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **63.3020, 60.2458, 25.1240**, and the grayscale version is **37.8867, 39.8597, 43.4072**.

A 20% lighter version of the original color is **65.9499, 76.4410, 105.8864**, and **19.3284, 20.2456, 56.3152** is the 20% darker color. If you saturate the color by 10%, you get **36.0769, 36.7946, 99.8084**, and if you desaturate by 10%, it is **48.5535, 51.5376, 101.9965**.

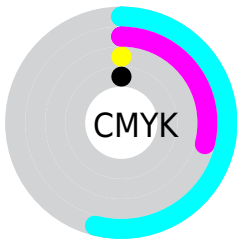
Distribution



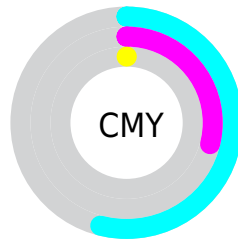
- Red (46%)
- Green (71%)
- Blue (100%)



- Red (46%)
- Yellow (63%)
- Blue (100%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7074, 43.6444, 100.8337 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 41.7074, 43.6444, 100.8337 by changing the saturation by 10% instead.

■ 41.7074, 43.6444,
100.8337

■ 41.7074, 43.6444,
100.8337

344.2809,
361.2552, 584.1318

■ 29.0624, 30.3910,
76.3762

■ 77.0245, 80.6824,
164.3643

■ 19.2725, 20.1356,
56.2326

■ 100.4273,
105.2358, 204.2744

■ 11.9725, 12.4936,
39.9842

■ 128.1468,
134.3247, 250.1726

■ 6.7970, 7.0808,
27.2125

160.5482,
168.3335, 302.4772

■ 3.3807, 3.5127,
17.4990

197.9970,
207.6465, 361.6069

■ 1.3581, 1.4049,
10.4252

240.8584,

■ 0.2261, 0.2203,

252.6482, 427.9802

5.5725

289.4979,
303.7230, 502.0157

■ 0.0000, 0.0000,
2.5224

■ 0.0000, 0.0000,
0.8520

■ 41.7074, 43.6444,
100.8337

■ 41.7074, 43.6444,
100.8337

■ 36.0769, 36.7946,
99.8084

■ 48.5535, 51.5376,
101.9965

■ 31.5717, 30.9274,
98.9133

■ 56.6877, 60.5211,
103.3017

■ 28.0946, 25.9807,
98.1418

■ 66.1815, 70.6436,
104.7552

■ 25.5260, 21.8793,
97.4855

■ 77.0995, 81.9491,
106.3619

■ 24.3428, 19.8056,
97.1476

■ 89.5021, 94.4792,
108.1268

95.0500, 100.0000,
108.9000

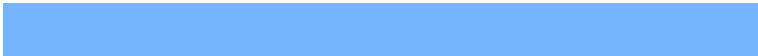
Harmonies

Analogous

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



34.9587, 43.6444, 92.6096



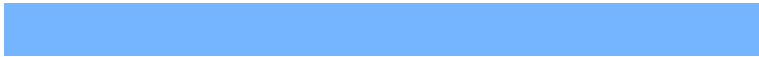
41.7074, 43.6444, 100.8337



49.2058, 43.6444, 91.6110

Triad

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



41.7074, 43.6444, 100.8337



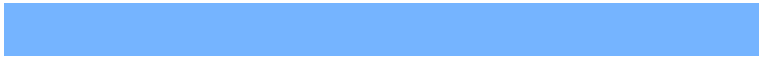
54.8871, 43.6444, 29.5558



30.2781, 43.6444, 30.3739

Complementary

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



41.7074, 43.6444, 100.8337



63.3020, 60.2458, 25.1240

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.



34.6132, 43.6444, 20.4866



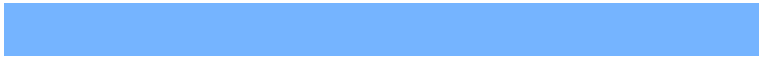
41.7074, 43.6444, 100.8337



48.7718, 43.6444, 20.1222

Square

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



41.7074, 43.6444, 100.8337



57.3490, 43.6444, 46.8818



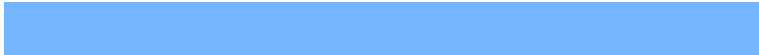
41.2588, 43.6444, 17.3697



28.8512, 43.6444, 48.1666

Rectangle

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



41.7074, 43.6444, 100.8337



53.4983, 43.6444, 78.0290



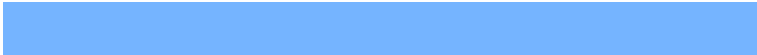
41.2588, 43.6444, 17.3697



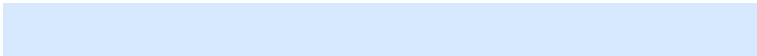
31.4160, 43.6444, 26.2259

Sweetspot

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



41.7088, 43.6459, 100.8340



74.9296, 79.7254, 106.0471



52.4574, 79.0465, 61.5543



15.5436, 16.5553, 22.6262



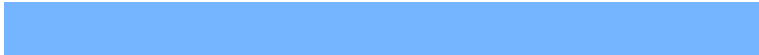
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.7088, 43.6459, 100.8340



35.6340, 36.2365, 99.7240



32.3826, 24.0532, 97.5437



17.6861, 18.7439, 22.9357



12.8647, 10.6389, 50.8101



1.3602, 1.2511, 4.9831

Inverse Universe

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



55.8406, 37.2796, 47.4339



51.6172, 31.1600, 38.8516



78.5392, 93.2025, 30.6822



18.3542, 18.1250, 20.4825



23.2817, 11.8020, 10.1338



2.3212, 1.1708, 1.2727

Previews

White Background



This preview shows how the XYZ color 41.7074, 43.6444, 100.8337 looks on a white background.

Color Contrast Check

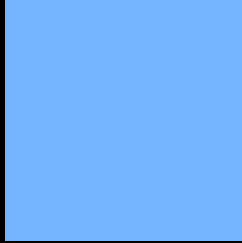
Large Text (above 18pt) WCAG AA × Fail

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 41.7074, 43.6444, 100.8337 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

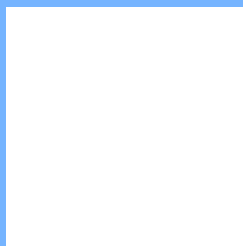
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7074, 43.6444, 100.8337

Background



This preview shows how black text looks on a background with the XYZ color 41.7074, 43.6444, 100.8337.



This preview shows how white text looks on a background with the XYZ color 41.7074, 43.6444,

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

41.7074, 43.6444, 100.8337

Protanopia

44.9913, 43.4021, 95.6287

Deuteranopia

44.5137, 43.3317, 100.6255



Tritanopia

34.5785, 43.8873, 64.4062

Trichromacy



Original Color

41.7074, 43.6444, 100.8337

Protanomaly

43.5854, 43.5047, 97.3668

Deuteranomaly

43.4068, 43.3390, 100.6852

Tritanomaly

36.8220, 43.5097, 76.2695

Monochromacy



Original Color

41.7074, 43.6444, 100.8337

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4412, 41.0685, 61.1593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7074, 43.6444, 100.8337 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(117, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 180, 255)  
}
```

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(117, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.7074, 43.6444, 100.8337 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(117, 180, 255) }
```


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

```
.border{ border-color:rgb(117, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7074, 43.6444, 100.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 180, 255) }
```

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

```
.background{ background-color: rgb(117,  
180, 255) }
```

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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