

Converting Colors

XYZ(40.7801, 42.2334,
100.6103)

Have a look what the booklet for
XYZ(40.7801, 42.2334, 100.6103)
contains.

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Color

**XYZ(40.8424, 42.3091,
100.6216)**

Conversions

Conversions Part 1

Format	Color
Hex	73B1FF
RGB	115, 177, 255
RGB Percent	45%, 69%, 100%
CMY	0.5490, 0.3059, 0.0000
CMYK	0.55, 0.31, 0.00, 0.00
HSL	213°, 100%, 73%
HSV	213°, 55%, 100%
XYZ	40.8424, 42.3091, 100.6216
YIQ	167.3540, -61.9900, 11.1140

Conversions

Conversions Part 2

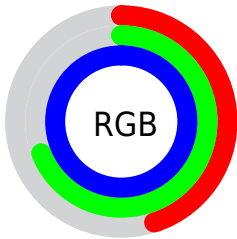
Format	Color
RYB	115, 158, 255
Decimal	7582207
CIELab	71.08, 1.95, -44.66
CIElCh	71, 44.707, 272.495
Yxy	42.3091, 0.2222, 0.2302
Android (android.graphics.Color)	4285772287 (0xFF73B1FF)
YUV	167.3540, 43.2095, -45.9145
Hunter-Lab	65.0454, -1.7484, -46.1864

Details

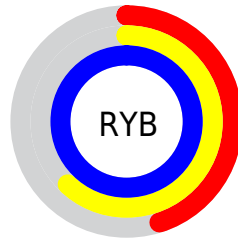
The XYZ color **40.8424, 42.3091, 100.6216** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **63.4060, 60.6400, 24.5847**, and the grayscale version is **36.7221, 38.6345, 42.0730**.

A 20% lighter version of the original color is **64.5858, 74.0472, 105.4962**, and **18.7933, 19.3974, 56.1796** is the 20% darker color. If you saturate the color by 10%, you get **35.2795, 35.4906, 99.5987**, and if you desaturate by 10%, it is **47.6275, 50.1928, 101.7857**.

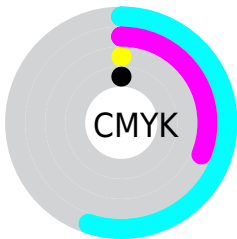
Distribution



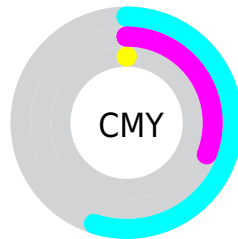
- Red (45%)
- Green (69%)
- Blue (100%)



- Red (45%)
- Yellow (62%)
- Blue (100%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8424, 42.3091, 100.6216 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 40.8424, 42.3091, 100.6216 by changing the saturation by 10% instead.

■ 40.8424, 42.3091,
100.6216

■ 40.8424, 42.3091,
100.6216

340.7353,
355.7627, 583.4474

■ 28.3831, 29.3434,
76.2000

■ 75.7208, 78.6672,
164.0705

■ 18.7566, 19.3408,
56.0889

■ 98.8706, 102.8284,
203.9348

■ 11.5975, 11.9168,
39.8697

■ 126.3146,
131.4903, 249.7838

■ 6.5405, 6.6870,
27.1240

158.4182,
165.0371, 302.0360

■ 3.2202, 3.2671,
17.4331

195.5467,
203.8534, 361.1099

■ 1.2712, 1.2727,
10.3785

238.0655,

■ 0.1615, 0.1200,

248.3235, 427.4241

5.5418

286.3399,
298.8318, 501.3971

■ 0.0000, 0.0000,
2.5043

■ 0.0000, 0.0000,
0.8424

■ 40.8424, 42.3091,
100.6216

■ 40.8424, 42.3091,
100.6216

■ 35.2795, 35.4906,
99.5987

■ 47.6275, 50.1928,
101.7857

■ 30.8471, 29.6748,
98.7097

■ 55.7087, 59.1903,
103.0965

■ 27.4459, 24.7972,
97.9475

■ 65.1584, 69.3518,
104.5598

■ 24.9533, 20.7801,
97.3035

■ 76.0425, 80.7229,
106.1810

■ 23.9468, 19.0136,
97.0156

■ 88.4219, 93.3463,
107.9650

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.



33.9361, 42.3091, 93.0554



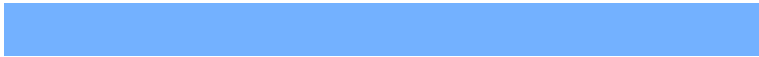
40.8424, 42.3091, 100.6216



48.4373, 42.3091, 90.2216

Triad

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



40.8424, 42.3091, 100.6216



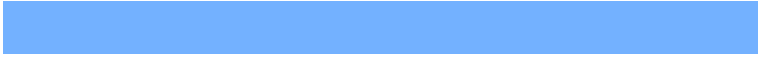
53.5907, 42.3091, 27.3077



28.7678, 42.3091, 29.5567

Complementary

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



40.8424, 42.3091, 100.6216



63.4060, 60.6400, 24.5847

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.



32.9776, 42.3091, 19.3463



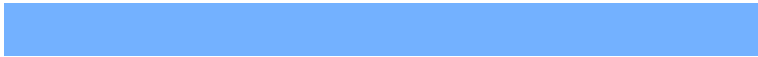
40.8424, 42.3091, 100.6216



47.2209, 42.3091, 18.3588

Square

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



40.8424, 42.3091, 100.6216



56.3444, 42.3091, 44.2988



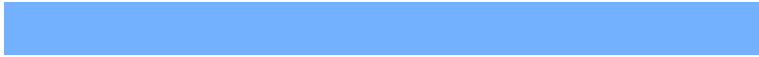
39.5911, 42.3091, 15.9727



27.4988, 42.3091, 47.8825

Rectangle

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



40.8424, 42.3091, 100.6216



52.7232, 42.3091, 75.9372



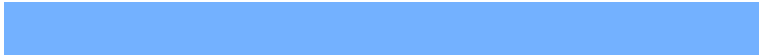
39.5911, 42.3091, 15.9727



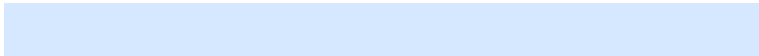
29.8579, 42.3091, 25.2811

Sweetspot

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



40.8438, 42.3105, 100.6218



74.7721, 79.4105, 105.9946



52.3460, 78.9712, 62.3551



15.5062, 16.4805, 22.6137



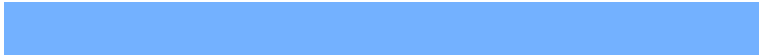
0.0000, 0.0000, 0.0000



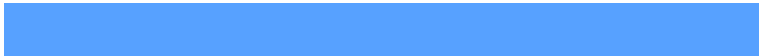
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8438, 42.3105, 100.6218



34.7378, 34.8023, 99.4944



32.2086, 23.6212, 97.4695



17.6651, 18.7017, 22.9287



12.6560, 10.2215, 50.7405



1.3391, 1.2088, 4.9760

Inverse Universe

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



55.3076, 36.6975, 45.7645



51.0774, 30.6093, 37.0411



77.5665, 92.7145, 30.0293



18.3436, 18.1207, 20.4265



23.1764, 11.7598, 9.5791



2.3105, 1.1666, 1.2166

Previews

White Background



This preview shows how the XYZ color 40.8424, 42.3091, 100.6216 looks on a white background.

Color Contrast Check

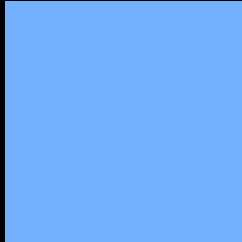
Large Text (above 18pt) WCAG AA × Fail

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 40.8424, 42.3091, 100.6216 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

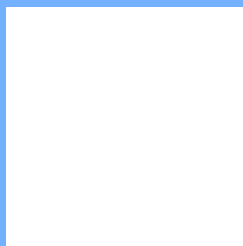
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8424, 42.3091, 100.6216

Background



This preview shows how black text looks on a background with the XYZ color 40.8424, 42.3091, 100.6216.

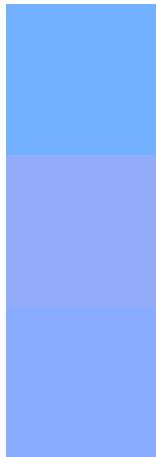


This preview shows how white text looks on a background with the XYZ color 40.8424, 42.3091,

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

40.8424, 42.3091, 100.6216

Protanopia

44.0310, 42.3238, 96.2911

Deuteranopia

43.2838, 42.1283, 100.4580



Tritanopia

33.1503, 42.2378, 62.2826

Trichromacy



Original Color

40.8424, 42.3091, 100.6216

Protanomaly

42.6676, 42.1497, 97.9823

Deuteranomaly

42.3920, 42.2379, 100.5262

Tritanomaly

35.4641, 41.9122, 74.6273

Monochromacy



Original Color

40.8424, 42.3091, 100.6216

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0845, 39.5452, 59.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8424, 42.3091, 100.6216 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(115, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 177, 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(115, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8424, 42.3091, 100.6216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

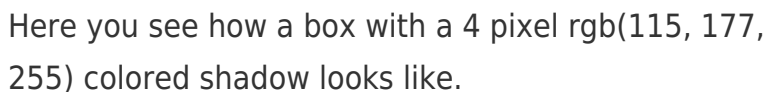
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 177, 255) }
```


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

```
.border{ border-color:rgb(115, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8424, 42.3091, 100.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 177, 255) }
```

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

```
.background{ background-color: rgb(115,  
177, 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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