

Converting Colors

XYZ(42.0221, 45.2062,
101.1186)

Have a look what the booklet for
XYZ(42.0221, 45.2062, 101.1186)
contains.

XYZ(42.0811, 45.3627, 101.1457)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.0811, 45.3627,
101.1457)**

Conversions

Conversions Part 1

Format	Color
Hex	70B9FF
RGB	112, 185, 255
RGB Percent	44%, 73%, 100%
CMY	0.5608, 0.2745, 0.0000
CMYK	0.56, 0.27, 0.00, 0.00
HSL	209°, 100%, 72%
HSV	209°, 56%, 100%
XYZ	42.0811, 45.3627, 101.1457
YIQ	171.1530, -65.9780, 6.2940

Conversions

Conversions Part 2

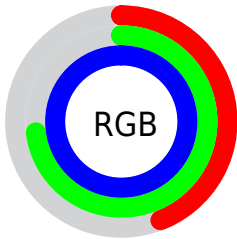
Format	Color
R _Y B	112, 160, 255
Decimal	7387647
CIE Lab	73.13, -3.10, -41.47
CIE LCh	73, 41.589, 265.727
Yxy	45.3627, 0.2231, 0.2405
Android (android.graphics.Color)	4285577727 (0xFF70B9FF)
YUV	171.1530, 41.3366, -51.8772
Hunter-Lab	67.3518, -6.3398, -41.8925

Details

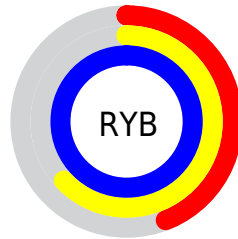
The XYZ color **42.0811, 45.3627, 101.1457** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8940, 55.8879, 22.9094**, and the grayscale version is **38.6097, 40.6204, 44.2357**.

A 20% lighter version of the original color is **66.5186, 78.9012, 106.3313**, and **19.4830, 21.1152, 56.4749** is the 20% darker color. If you saturate the color by 10%, you get **36.7863, 38.9260, 100.1824**, and if you desaturate by 10%, it is **48.5265, 52.7346, 102.2289**.

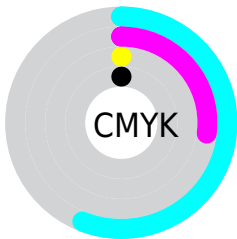
Distribution



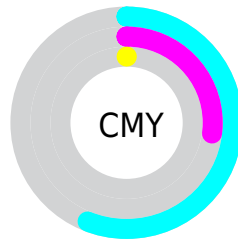
- Red (44%)
- Green (73%)
- Blue (100%)



- Red (44%)
- Yellow (63%)
- Blue (100%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0811, 45.3627, 101.1457 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 42.0811, 45.3627, 101.1457 by changing the saturation by 10% instead.

■ 42.0811, 45.3627,
101.1457

■ 42.0811, 45.3627,
101.1457

345.8049,
368.2405, 585.1377

■ 29.3562, 31.7432,
76.6355

■ 77.5867, 83.2644,
164.7963

■ 19.4961, 21.1654,
56.4440

■ 101.0982,
108.3154, 204.7738

■ 12.1354, 13.2450,
40.1526

■ 128.9359,
137.9457, 250.7442

■ 6.9088, 7.5975,
27.3429

161.4651,
172.5397, 303.1260

■ 3.4510, 3.8385,
17.5962

199.0513,
212.4818, 362.3376

■ 1.3965, 1.5836,
10.4940

242.0597,

■ 0.2537, 0.3465,

258.1564, 428.7978

5.6179

290.8558,
309.9478, 502.9250

■ 0.0000, 0.0000,
2.5491

■ 0.0000, 0.0000,
0.8660

■ 42.0811, 45.3627,
101.1457

■ 42.0811, 45.3627,
101.1457

■ 36.7863, 38.9260,
100.1824

■ 48.5265, 52.7346,
102.2289

■ 32.5522, 33.3669,
99.3325

■ 56.1945, 61.0847,
103.4365

■ 29.2806, 28.6266,
98.5900

■ 65.1554, 70.4582,
104.7735

■ 26.8493, 24.6326,
97.9472

■ 75.4730, 80.8958,
106.2443

■ 26.0557, 23.2313,
97.7186

■ 87.2063, 92.4355,
107.8533

95.0500, 100.0000,
108.9000

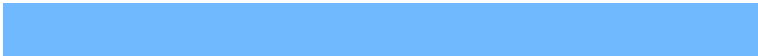
Harmonies

Analogous

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



35.7017, 45.3627, 90.4945



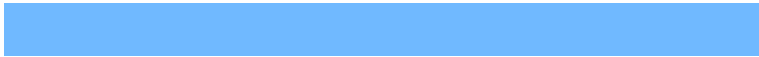
42.0811, 45.3627, 101.1457



49.4842, 45.3627, 95.0419

Triad

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



42.0811, 45.3627, 101.1457



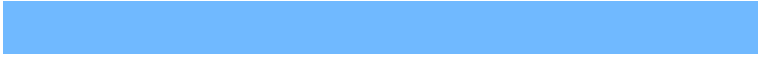
57.0002, 45.3627, 33.9495



32.5491, 45.3627, 30.0767

Complementary

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



42.0811, 45.3627, 101.1457



60.8940, 55.8879, 22.9094

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.



37.3188, 45.3627, 21.3580



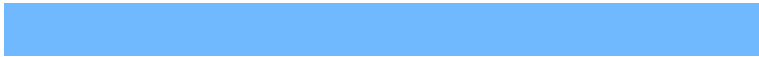
42.0811, 45.3627, 101.1457



51.4914, 45.3627, 23.1124

Square

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



42.0811, 45.3627, 101.1457



58.6409, 45.3627, 52.4405



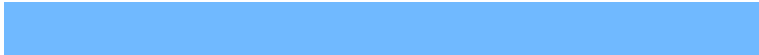
44.1675, 45.3627, 19.2239



30.6057, 45.3627, 46.4645

Rectangle

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



42.0811, 45.3627, 101.1457



53.9391, 45.3627, 83.0076



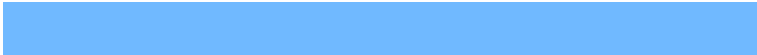
44.1675, 45.3627, 19.2239



33.8469, 45.3627, 26.3541

Sweetspot

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



42.0825, 45.3642, 101.1459



74.4606, 79.8852, 106.1026



50.7959, 78.3064, 56.2183



15.4756, 16.6356, 22.6453



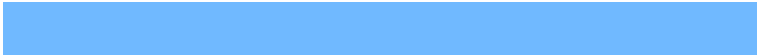
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.0825, 45.3642, 101.1459



36.3517, 38.3760, 100.0991



30.7945, 22.7882, 97.3833



17.7697, 18.9110, 22.9636



13.7646, 12.4388, 51.1100



1.4496, 1.4299, 5.0129

Inverse Universe

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



55.7922, 36.3529, 49.9766



51.8076, 30.5782, 41.8828



79.1695, 92.4389, 29.0012



18.3964, 18.1419, 20.7046



23.7359, 11.9837, 12.5259



2.3663, 1.1889, 1.5103

Previews

White Background



This preview shows how the XYZ color 42.0811, 45.3627, 101.1457 looks on a white background.

Color Contrast Check

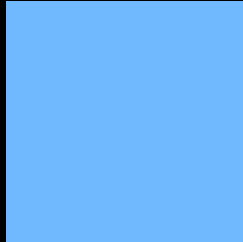
Large Text (above 18pt) WCAG AA × Fail

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 42.0811, 45.3627, 101.1457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

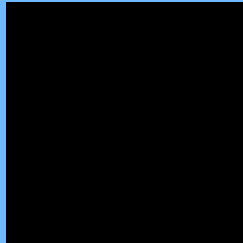
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

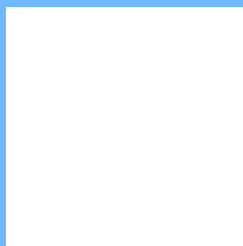
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0811, 45.3627, 101.1457

Background



This preview shows how black text looks on a background with the XYZ color 42.0811, 45.3627, 101.1457.



This preview shows how white text looks on a background with the XYZ color 42.0811, 45.3627,

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

42.0811, 45.3627, 101.1457

Protanopia

46.3732, 44.9961, 95.0479

Deuteranopia

46.1666, 45.0538, 100.8708



Tritanopia

35.4165, 45.5667, 67.2502

Trichromacy



Original Color

42.0811, 45.3627, 101.1457

Protanomaly

44.5172, 44.8680, 97.5809

Deuteranomaly

44.5246, 45.0968, 100.9656

Tritanomaly

37.7251, 45.5193, 78.7493

Monochromacy



Original Color

42.0811, 45.3627, 101.1457

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7637, 41.7990, 61.9021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0811, 45.3627, 101.1457 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 185, 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(112, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0811, 45.3627, 101.1457 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, 185, 255) }
```


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

```
.border{ border-color:rgb(112, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0811, 45.3627, 101.1457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 185, 255) }
```

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

```
.background{ background-color: rgb(112,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor