

Converting Colors

XYZ(42.6791, 45.9826,
101.2338)

Have a look what the booklet for
XYZ(42.6791, 45.9826, 101.2338)
contains.

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Color

**XYZ(42.6791, 45.9826,
101.2338)**

Conversions

Conversions Part 1

Format	Color
Hex	73BAFF
RGB	115, 186, 255
RGB Percent	45%, 73%, 100%
CMY	0.5490, 0.2706, 0.0000
CMYK	0.55, 0.27, 0.00, 0.00
HSL	210°, 100%, 73%
HSV	210°, 55%, 100%
XYZ	42.6791, 45.9826, 101.2338
YIQ	172.6370, -64.4650, 6.4070

Conversions

Conversions Part 2

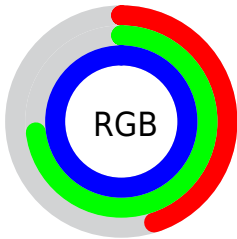
Format	Color
R _Y B	115, 162, 255
Decimal	7584511
CIE Lab	73.53, -3.04, -40.83
CIE LCh	74, 40.946, 265.737
Yxy	45.9826, 0.2248, 0.2421
Android (android.graphics.Color)	4285774591 (0xFF73BAFF)
YUV	172.6370, 40.6050, -50.5476
Hunter-Lab	67.8105, -6.3226, -41.0463

Details

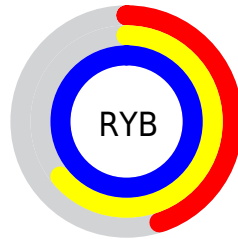
The XYZ color **42.6791, 45.9826, 101.2338** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.4763, 56.7807, 23.9413**, and the grayscale version is **39.3608, 41.4107, 45.0962**.

A 20% lighter version of the original color is **67.4813, 79.8382, 106.4614**, and **19.8472, 21.5052, 56.5309** is the 20% darker color. If you saturate the color by 10%, you get **37.2457, 39.4231, 100.2541**, and if you desaturate by 10%, it is **49.2756, 53.4891, 102.3351**.

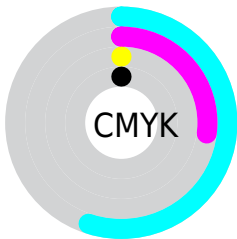
Distribution



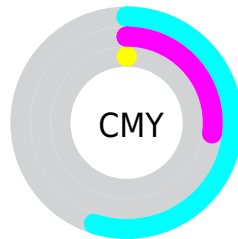
- Red (45%)
- Green (73%)
- Blue (100%)



- Red (45%)
- Yellow (64%)
- Blue (100%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6791, 45.9826, 101.2338 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 42.6791, 45.9826, 101.2338 by changing the saturation by 10% instead.

■ 42.6791, 45.9826,
101.2338

■ 42.6791, 45.9826,
101.2338

348.2343,
370.7387, 585.4216

■ 29.8268, 32.2321,
76.7087

■ 78.4851, 84.1930,
164.9183

■ 19.8546, 21.5388,
56.5037

■ 102.1696,
109.4216, 204.9148

■ 12.3971, 13.5184,
40.2002

■ 130.1955,
139.2451, 250.9056

■ 7.0888, 7.7865,
27.3797

162.9282,
174.0478, 303.3091

■ 3.5645, 3.9586,
17.6236

200.7331,
214.2141, 362.5439

■ 1.4589, 1.6505,
10.5135

243.9755,

■ 0.2976, 0.3913,

260.1284, 429.0286

5.6307

293.0208,
312.1751, 503.1816

■ 0.0000, 0.0000,
2.5567

■ 0.0000, 0.0000,
0.8700

■ 42.6791, 45.9826,
101.2338

■ 42.6791, 45.9826,
101.2338

■ 37.2457, 39.4231,
100.2541

■ 49.2756, 53.4891,
102.3351

■ 32.8864, 33.7533,
99.3895

■ 57.1060, 61.9851,
103.5623

■ 29.5049, 28.9154,
98.6339

■ 66.2404, 71.5159,
104.9204

■ 26.9823, 24.8381,
97.9799

■ 76.7418, 82.1219,
106.4141

■ 25.9425, 23.0050,
97.6808

■ 88.6692, 93.8411,
108.0475

95.0500, 100.0000,
108.9000

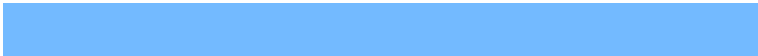
Harmonies

Analogous

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



36.3316, 45.9826, 90.7397



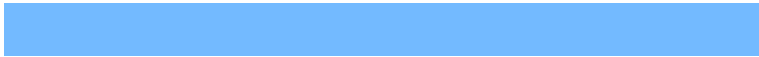
42.6791, 45.9826, 101.2338



50.0285, 45.9826, 95.2138

Triad

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



42.6791, 45.9826, 101.2338



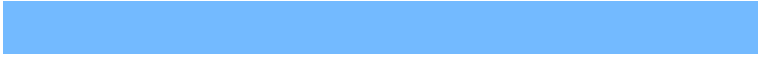
57.4721, 45.9826, 34.6830



33.1866, 45.9826, 30.8199

Complementary

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



42.6791, 45.9826, 101.2338



61.4763, 56.7807, 23.9413

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.



37.9383, 45.9826, 22.0708



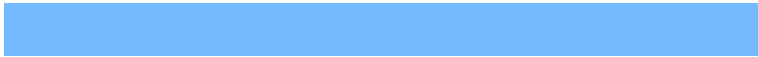
42.6791, 45.9826, 101.2338



52.0142, 45.9826, 23.8311

Square

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



42.6791, 45.9826, 101.2338



59.0975, 45.9826, 53.0876



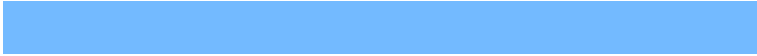
44.7474, 45.9826, 19.9193



31.2484, 45.9826, 47.1636

Rectangle

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



42.6791, 45.9826, 101.2338



54.4437, 45.9826, 83.3400



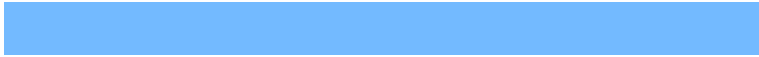
44.7474, 45.9826, 19.9193



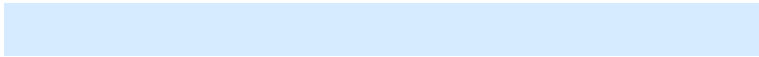
34.4804, 45.9826, 27.0904

Sweetspot

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



42.6806, 45.9842, 101.2341



75.5172, 80.9006, 106.2429



51.3441, 78.5705, 57.0795



15.6834, 16.8349, 22.6728



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.



42.6806, 45.9842, 101.2341



36.7148, 38.7564, 100.1534



31.5221, 23.6672, 97.5146



17.7645, 18.9006, 22.9618



13.7053, 12.3201, 51.0903



1.4438, 1.4182, 5.0109

Inverse Universe

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



56.2347, 37.0683, 50.6468



52.0753, 31.0084, 42.2961



79.3551, 92.5383, 29.9009



18.3938, 18.1408, 20.6908



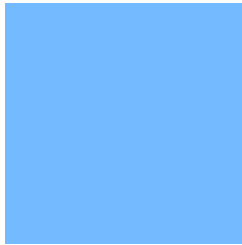
23.7060, 11.9717, 12.3681



2.3634, 1.1877, 1.4948

Previews

White Background



This preview shows how the XYZ color 42.6791, 45.9826, 101.2338 looks on a white background.

Color Contrast Check

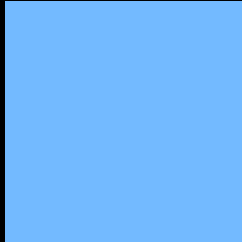
Large Text (above 18pt) WCAG AA × Fail

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 42.6791, 45.9826, 101.2338 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

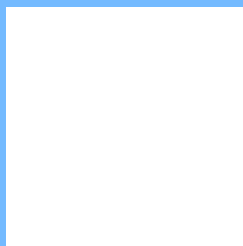
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6791, 45.9826, 101.2338

Background



This preview shows how black text looks on a background with the XYZ color 42.6791, 45.9826, 101.2338.

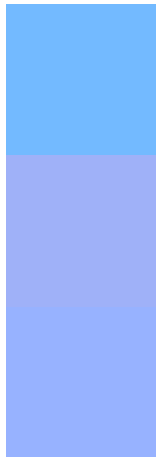


This preview shows how white text looks on a background with the XYZ color 42.6791, 45.9826,

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

42.6791, 45.9826, 101.2338

Protanopia

46.9635, 45.5925, 95.1319

Deuteranopia

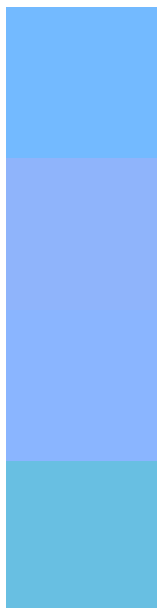
46.7329, 45.6401, 100.9541



Tritanopia

35.9616, 45.8334, 67.9241

Trichromacy



Original Color

42.6791, 45.9826, 101.2338

Protanomaly

45.0615, 45.4472, 97.6640

Deuteranomaly

45.0551, 45.6710, 101.0485

Tritanomaly

38.0672, 45.6956, 78.7653

Monochromacy



Original Color

42.6791, 45.9826, 101.2338

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6488, 42.8280, 62.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6791, 45.9826, 101.2338 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 186, 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, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6791, 45.9826, 101.2338 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, 186, 255) }
```


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

```
.border{ border-color:rgb(115, 186, 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, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6791, 45.9826, 101.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 186, 255) }
```

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

```
.background{ background-color: rgb(115,  
186, 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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