

Converting Colors

XYZ(43.2643, 45.5405,
104.7465)

Have a look what the booklet for
XYZ(43.2643, 45.5405, 104.7465)
contains.

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Color

**XYZ(42.6617, 45.3525,
101.1131)**

Conversions

Conversions Part 1

Format	Color
Hex	76B8FF
RGB	118, 184, 255
RGB Percent	46%, 72%, 100%
CMY	0.5372, 0.2784, 0.0000
CMYK	0.54, 0.28, 0.00, 0.00
HSL	211°, 100%, 73%
HSV	211°, 54%, 100%
XYZ	42.6617, 45.3525, 101.1131
YIQ	172.3600, -62.1270, 8.0890

Conversions

Conversions Part 2

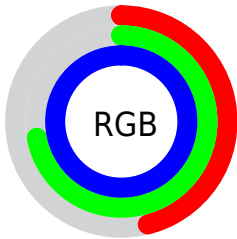
Format	Color
RYB	118, 163, 255
Decimal	7780607
CIELab	73.12, -1.32, -41.46
CIElCh	73, 41.485, 268.170
Yxy	45.3525, 0.2256, 0.2398
Android (android.graphics.Color)	4285970687 (0xFF76B8FF)
YUV	172.3600, 40.7415, -47.6737
Hunter-Lab	67.3443, -4.7751, -41.8792

Details

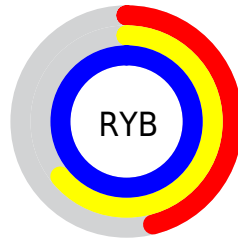
The XYZ color **42.6617, 45.3525, 101.1131** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7089, 58.9652, 25.2179**, and the grayscale version is **39.2190, 41.2615, 44.9337**.

A 20% lighter version of the original color is **67.3416, 78.8873, 106.2852**, and **19.8307, 21.0941, 56.4525** is the 20% darker color. If you saturate the color by 10%, you get **37.0371, 38.5669, 100.0998**, and if you desaturate by 10%, it is **49.4814, 53.1366, 102.2562**.

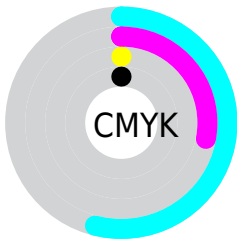
Distribution



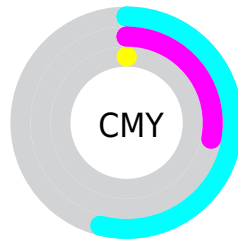
- Red (46%)
- Green (72%)
- Blue (100%)



- Red (46%)
- Yellow (64%)
- Blue (100%)



- Cyan (54%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6617, 45.3525, 101.1131 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 42.6617, 45.3525, 101.1131 by changing the saturation by 10% instead.

■ 42.6617, 45.3525,
101.1131

■ 42.6617, 45.3525,
101.1131

348.1638,
368.1993, 585.0326

■ 29.8131, 31.7352,
76.6084

■ 78.4590, 83.2491,
164.7512

■ 19.8442, 21.1593,
56.4219

■ 102.1385,
108.2972, 204.7217

■ 12.3894, 13.2405,
40.1350

■ 130.1589,
137.9243, 250.6845

■ 7.0836, 7.5944,
27.3292

162.8857,
172.5149, 303.0582

■ 3.5612, 3.8365,
17.5860

200.6843,
212.4533, 362.2613

■ 1.4570, 1.5825,
10.4868

243.9199,

■ 0.2963, 0.3458,

258.1239, 428.7124

5.6131

292.9580,
309.9111, 502.8300

■ 0.0000, 0.0000,
2.5463

■ 0.0000, 0.0000,
0.8646

■ 42.6617, 45.3525,
101.1131

■ 42.6617, 45.3525,
101.1131

■ 37.0371, 38.5669,
100.0998

■ 49.4814, 53.1366,
102.2562

■ 32.5191, 32.7213,
99.2096

■ 57.5674, 61.9633,
103.5337

■ 29.0121, 27.7564,
98.4362

■ 66.9899, 71.8794,
104.9511

■ 26.3990, 23.6006,
97.7717

■ 77.8122, 82.9267,
106.5130

■ 25.1137, 21.3475,
97.4046

■ 90.0937, 95.1447,
108.2241

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.



36.1524, 45.3525, 91.7520



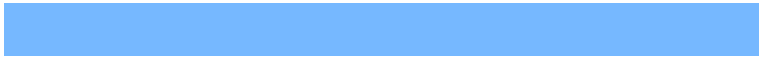
42.6617, 45.3525, 101.1131



50.0408, 45.3525, 93.6962

Triad

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



42.6617, 45.3525, 101.1131



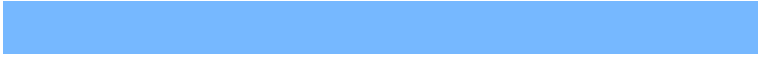
56.6265, 45.3525, 32.8042



32.2965, 45.3525, 31.1484

Complementary

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



42.6617, 45.3525, 101.1131



62.7089, 58.9652, 25.2179

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.



36.8438, 45.3525, 21.8488



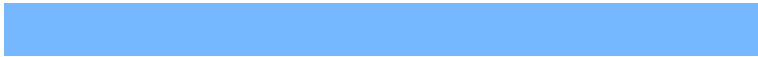
42.6617, 45.3525, 101.1131



50.8990, 45.3525, 22.5990

Square

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



42.6617, 45.3525, 101.1131



58.6251, 45.3525, 50.6696



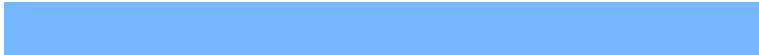
43.5538, 45.3525, 19.2228



30.6005, 45.3525, 48.1148

Rectangle

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



42.6617, 45.3525, 101.1131



54.3718, 45.3525, 81.1461



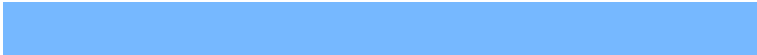
43.5538, 45.3525, 19.2228



33.5152, 45.3525, 27.2218

Sweetspot

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



42.6631, 45.3541, 101.1134



75.2216, 80.3095, 106.1444



52.3943, 79.0369, 60.5169



15.6131, 16.6942, 22.6494



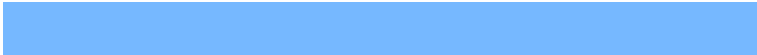
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.6631, 45.3541, 101.1134



36.8974, 38.3925, 100.0735



32.3152, 24.1923, 97.5741



17.7251, 18.8219, 22.9487



13.2703, 11.4501, 50.9453



1.4008, 1.3323, 4.9966

Inverse Universe

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



56.3712, 37.6793, 49.6505



52.3454, 31.7979, 41.6179



79.4354, 93.6577, 31.0327



18.3739, 18.1329, 20.5861



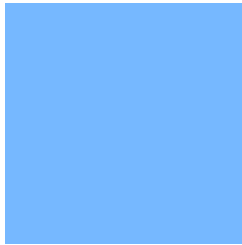
23.4864, 11.8839, 11.2118



2.3417, 1.1790, 1.3806

Previews

White Background



This preview shows how the XYZ color 42.6617, 45.3525, 101.1131 looks on a white background.

Color Contrast Check

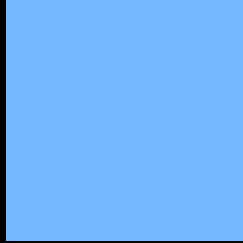
Large Text (above 18pt) WCAG AA × Fail

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 42.6617, 45.3525, 101.1131 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

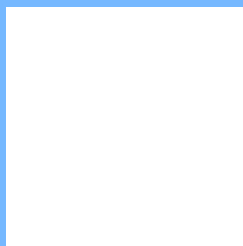
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6617, 45.3525, 101.1131

Background



This preview shows how black text looks on a background with the XYZ color 42.6617, 45.3525, 101.1131.



This preview shows how white text looks on a background with the XYZ color 42.6617, 45.3525,

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

42.6617, 45.3525, 101.1131

Protanopia

46.5288, 45.0583, 95.8673

Deuteranopia

46.1666, 45.0538, 100.8708



Tritanopia

35.8220, 45.4607, 66.5613

Trichromacy



Original Color

42.6617, 45.3525, 101.1131

Protanomaly

44.8604, 45.0449, 97.5969

Deuteranomaly

44.8525, 45.2658, 100.9809

Tritanomaly

38.0675, 45.3890, 77.9887

Monochromacy



Original Color

42.6617, 45.3525, 101.1131

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.1349, 41.9903, 61.9194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6617, 45.3525, 101.1131 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(118, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 184, 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(118, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6617, 45.3525, 101.1131 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(118, 184, 255) }
```


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

```
.border{ border-color:rgb(118, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6617, 45.3525, 101.1131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 184, 255) }
```

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

```
.background{ background-color: rgb(118,  
184, 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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