

Converting Colors

XYZ(45.6090, 51.8893,
102.2195)

Have a look what the booklet for
XYZ(45.6090, 51.8893, 102.2195)
contains.

XYZ(45.5437, 51.7117, 102.1887)	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(45.5437, 51.7117,
102.1887)**

Conversions

Conversions Part 1

Format	Color
Hex	73C7FF
RGB	115, 199, 255
RGB Percent	45%, 78%, 100%
CMY	0.5490, 0.2196, 0.0000
CMYK	0.55, 0.22, 0.00, 0.00
HSL	204°, 100%, 73%
HSV	204°, 55%, 100%
XYZ	45.5437, 51.7117, 102.1887
YIQ	180.2680, -68.0400, -0.3920

Conversions

Conversions Part 2

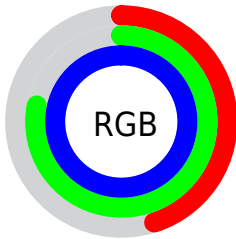
Format	Color
R _Y B	115, 168, 255
Decimal	7587839
CIE Lab	77.11, -10.07, -35.28
CIE LCh	77, 36.691, 254.075
Yxy	51.7117, 0.2284, 0.2593
Android (android.graphics.Color)	4285777919 (0xFF73C7FF)
YUV	180.2680, 36.8429, -57.2400
Hunter-Lab	71.9108, -12.7936, -33.9163

Details

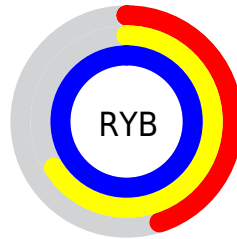
The XYZ color **45.5437, 51.7117, 102.1887** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.8986, 51.6254, 23.0822**, and the grayscale version is **43.3625, 45.6207, 49.6809**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **21.5374, 24.9564, 57.1080** is the 20% darker color. If you saturate the color by 10%, you get **40.3739, 45.6795, 101.2968**, and if you desaturate by 10%, it is **51.8012, 58.5402, 103.1769**.

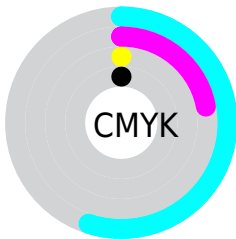
Distribution



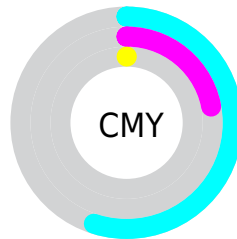
- Red (45%)
- Green (78%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5437, 51.7117, 102.1887 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 45.5437, 51.7117, 102.1887 by changing the saturation by 10% instead.

■ 45.5437, 51.7117,
102.1887

■ 45.5437, 51.7117,
102.1887

359.7179,
393.3226, 588.4938

■ 32.0890, 36.7753,
77.5026

■ 82.7677, 92.7059,
166.2398

■ 21.5854, 25.0336,
57.1515

■ 107.2678,
119.5326, 206.4418

■ 13.6674, 16.1021,
40.7167

■ 136.1803,
151.0914, 252.6530

■ 7.9699, 9.5964,
27.7798

169.8707,
187.7669, 305.2917

■ 4.1273, 5.1322,
17.9221

208.7043,
229.9433, 364.7767

■ 1.7744, 2.3250,
10.7252

253.0465,

■ 0.5022, 0.7869,

278.0051, 431.5263

5.7705

303.2625,
332.3368, 505.9591

■ 0.0000, 0.0000,
2.6395

■ 0.0000, 0.0000,
0.9128

■ 45.5437, 51.7117,
102.1887

■ 45.5437, 51.7117,
102.1887

■ 40.3739, 45.6795,
101.2968

■ 51.8012, 58.5402,
103.1769

■ 36.2054, 40.3915,
100.4958

■ 59.2142, 66.2013,
104.2649

■ 32.9453, 35.7960,
99.7807

■ 67.8501, 74.7351,
105.4570

■ 30.4776, 31.8286,
99.1449

■ 77.7695, 84.1770,
106.7566

■ 29.4412, 30.0025,
98.8471

■ 89.0288, 94.5601,
108.1674

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.



40.0878, 51.7117, 87.6567



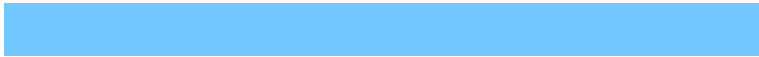
45.5437, 51.7117, 102.1887



52.5023, 51.7117, 102.6693

Triad

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



45.5437, 51.7117, 102.1887



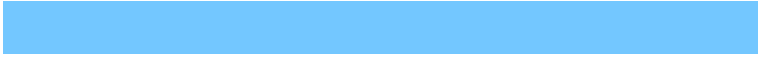
63.4201, 51.7117, 47.4283



40.3570, 51.7117, 32.8738

Complementary

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



45.5437, 51.7117, 102.1887



58.8986, 51.6254, 23.0822

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.



45.9443, 51.7117, 26.5456



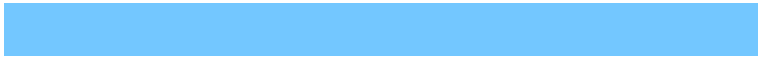
45.5437, 51.7117, 102.1887



59.4853, 51.7117, 33.4932

Square

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



45.5437, 51.7117, 102.1887



63.2867, 51.7117, 67.5763



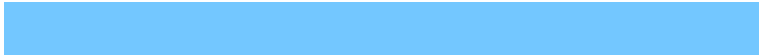
52.9427, 51.7117, 26.7415



37.2934, 51.7117, 46.3628

Rectangle

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



45.5437, 51.7117, 102.1887



57.0968, 51.7117, 94.7200



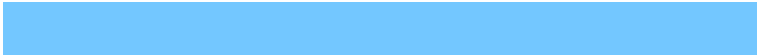
52.9427, 51.7117, 26.7415



41.9778, 51.7117, 29.9987

Sweetspot

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



45.5453, 51.7135, 102.1890



76.6129, 83.0921, 106.6082



49.9618, 78.0176, 49.8001



15.9446, 17.3574, 22.7599



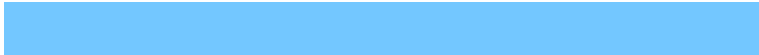
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.5453, 51.7135, 102.1890



39.8675, 45.0617, 101.2043



33.2832, 27.1893, 98.1016



17.9096, 19.1908, 23.0102



15.5338, 15.9771, 51.6998



1.6194, 1.7696, 5.0695

Inverse Universe

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



57.6807, 37.6468, 58.2610



53.6666, 31.6450, 50.6758



75.1042, 84.0365, 28.4841



18.4670, 18.1701, 21.0764



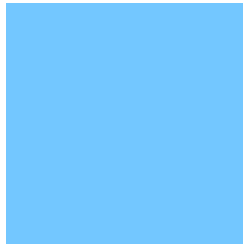
24.6289, 12.3409, 17.2283



2.4520, 1.2232, 1.9618

Previews

White Background



This preview shows how the XYZ color 45.5437, 51.7117, 102.1887 looks on a white background.

Color Contrast Check

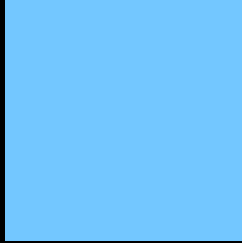
Large Text (above 18pt) WCAG AA × Fail

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 45.5437, 51.7117, 102.1887 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

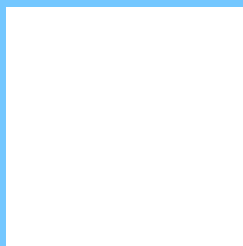
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5437, 51.7117, 102.1887

Background



This preview shows how black text looks on a background with the XYZ color 45.5437, 51.7117, 102.1887.

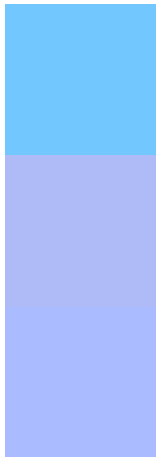


This preview shows how white text looks on a background with the XYZ color 45.5437, 51.7117,

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

45.5437, 51.7117, 102.1887

Protanopia

51.8604, 51.1931, 94.3367

Deuteranopia

52.3979, 51.3067, 101.7493



Tritanopia

40.4956, 51.7614, 76.9638

Trichromacy



Original Color

45.5437, 51.7117, 102.1887

Protanomaly

48.8666, 50.8735, 96.8665

Deuteranomaly

49.2585, 50.9656, 101.8489

Tritanomaly

42.2706, 51.7782, 85.6082

Monochromacy



Original Color

45.5437, 51.7117, 102.1887

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7431, 47.1136, 65.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5437, 51.7117, 102.1887 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 199, 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, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5437, 51.7117, 102.1887 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, 199, 255) }
```


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

```
.border{ border-color:rgb(115, 199, 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, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5437, 51.7117, 102.1887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 199, 255) }
```

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

```
.background{ background-color: rgb(115,  
199, 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