

Converting Colors

XYZ(47.1362, 56.1315,
104.3111)

Have a look what the booklet for
XYZ(47.1362, 56.1315, 104.3111)
contains.

XYZ(46.7943, 55.8851, 102.9283)	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(46.7943, 55.8851,
102.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	6AD1FF
RGB	106, 209, 255
RGB Percent	42%, 82%, 100%
CMY	0.5843, 0.1804, 0.0000
CMYK	0.58, 0.18, 0.00, 0.00
HSL	199°, 100%, 71%
HSV	199°, 58%, 100%
XYZ	46.7943, 55.8851, 102.9283
YIQ	183.4470, -76.1540, -7.5300

Conversions

Conversions Part 2

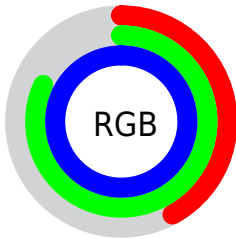
Format	Color
RYB	106, 167, 255
Decimal	7000575
CIELab	79.55, -17.04, -31.55
CIELCh	80, 35.853, 241.629
Yxy	55.8851, 0.2276, 0.2718
Android (android.graphics.Color)	4285190655 (0xFF6AD1FF)
YUV	183.4470, 35.2756, -67.9210
Hunter-Lab	74.7563, -19.0902, -29.3040

Details

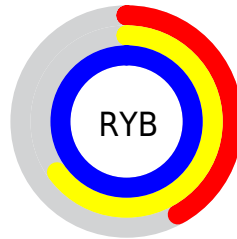
The XYZ color **46.7943, 55.8851, 102.9283** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.0708, 44.7586, 19.3744**, and the grayscale version is **45.0992, 47.4478, 51.6707**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **22.4211, 27.7811, 57.6067** is the 20% darker color. If you saturate the color by 10%, you get **42.3184, 50.7819, 102.1792**, and if you desaturate by 10%, it is **52.2696, 61.6474, 103.7520**.

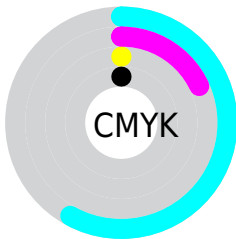
Distribution



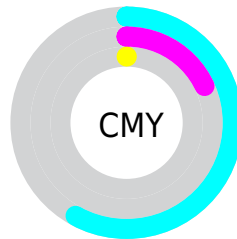
- Red (42%)
- Green (82%)
- Blue (100%)



- Red (42%)
- Yellow (65%)
- Blue (100%)



- Cyan (58%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7943, 55.8851, 102.9283 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 46.7943, 55.8851, 102.9283 by changing the saturation by 10% instead.

■ 46.7943, 55.8851,
102.9283

■ 46.7943, 55.8851,
102.9283

364.6555,
409.2583, 590.8675

■ 33.0803, 40.1108,
78.1179

■ 84.6271, 98.8366,
167.2624

■ 22.3475, 27.6250,
57.6538

■ 109.4767,
126.7825, 207.6232

■ 14.2305, 18.0431,
41.1175

■ 138.7688,
159.5545, 254.0044

■ 8.3639, 10.9810,
28.0905

172.8689,
197.5369, 306.8248

■ 4.3824, 6.0540,
18.1543

212.1422,
241.1141, 366.5027

■ 1.9207, 2.8780,
10.8902

256.9542,

■ 0.5888, 1.0684,

290.6704, 433.4568

5.8798

307.6702,
346.5904, 508.1055

■ 0.0000, 0.0000,
2.7045

■ 0.0000, 0.0000,
0.9457

■ 46.7943, 55.8851,
102.9283

■ 46.7943, 55.8851,
102.9283

■ 42.3184, 50.7819,
102.1792

■ 52.2696, 61.6474,
103.7520

■ 38.7531, 46.2867,
101.4995

■ 58.8131, 68.1030,
104.6532

■ 36.0010, 42.3483,
100.8843

■ 66.4930, 75.2899,
105.6356

■ 33.9240, 38.8935,
100.3269

■ 75.3698, 83.2415,
106.7025

■ 33.6296, 38.3792,
100.2432

■ 85.4999, 91.9885,
107.8570

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.



42.1593, 55.8851, 84.1527



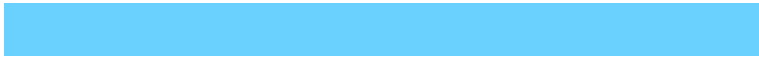
46.7943, 55.8851, 102.9283



53.5125, 55.8851, 109.8285

Triad

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



46.7943, 55.8851, 102.9283



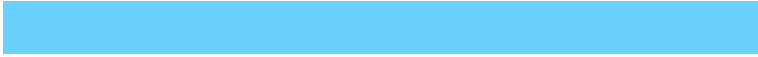
68.2254, 55.8851, 59.7267



46.1692, 55.8851, 32.9030

Complementary

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



46.7943, 55.8851, 102.9283



55.0708, 44.7586, 19.3744

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.



52.7236, 55.8851, 29.1493



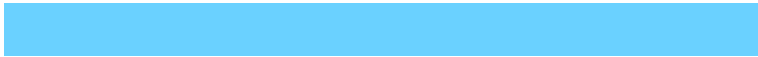
46.7943, 55.8851, 102.9283



65.8259, 55.8851, 42.3020

Square

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



46.7943, 55.8851, 102.9283



66.2821, 55.8851, 81.7472



59.9853, 55.8851, 32.1589



41.8221, 55.8851, 43.8562

Rectangle

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



46.7943, 55.8851, 102.9283



58.3963, 55.8851, 105.7567



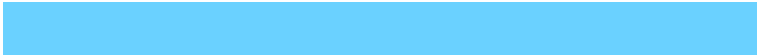
59.9853, 55.8851, 32.1589



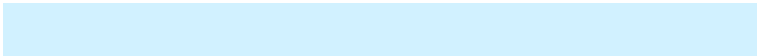
48.1661, 55.8851, 30.8855

Sweetspot

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



46.7960, 55.8871, 102.9286



75.7777, 83.5998, 106.7502



47.2667, 76.8094, 41.4873



15.6362, 17.3791, 22.7803



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.



46.7960, 55.8871, 102.9286



41.7000, 50.0363, 102.0679



32.7716, 27.8383, 98.2538



18.0539, 19.4795, 23.0583



17.7109, 20.3314, 52.4255



1.8216, 2.1738, 5.1369

Inverse Universe

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



57.9038, 36.1732, 64.2539



54.2719, 30.6632, 57.6365



70.8216, 76.2602, 24.6247



18.5399, 18.1993, 21.4601



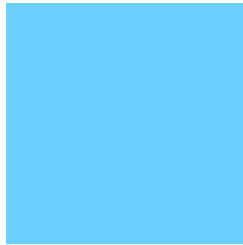
25.7279, 12.7804, 23.0151



2.5541, 1.2640, 2.4991

Previews

White Background



This preview shows how the XYZ color 46.7943, 55.8851, 102.9283 looks on a white background.

Color Contrast Check

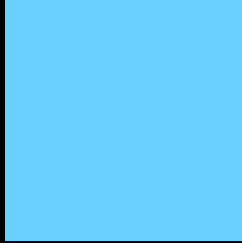
Large Text (above 18pt) WCAG AA × Fail

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 46.7943, 55.8851, 102.9283 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

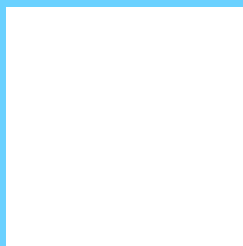
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7943, 55.8851, 102.9283

Background



This preview shows how black text looks on a background with the XYZ color 46.7943, 55.8851, 102.9283.

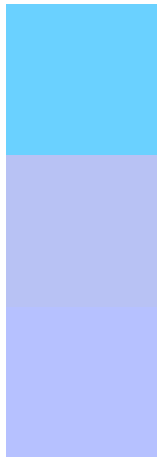


This preview shows how white text looks on a background with the XYZ color 46.7943, 55.8851,

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

46.7943, 55.8851, 102.9283

Protanopia

55.3881, 55.3056, 93.3437

Deuteranopia

56.4114, 55.3050, 102.3095



Tritanopia

43.0419, 55.8448, 84.1119

Trichromacy



Original Color

46.7943, 55.8851, 102.9283

Protanomaly

51.0770, 54.6921, 96.6715

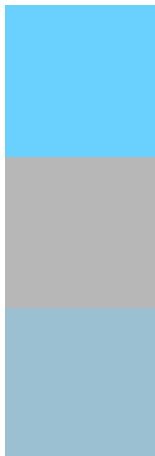
Deuteranomaly

51.7998, 54.9369, 102.4815

Tritanomaly

44.5272, 56.0876, 90.9172

Monochromacy



Original Color

46.7943, 55.8851, 102.9283

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8758, 49.2713, 67.5194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7943, 55.8851, 102.9283 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(106, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 209, 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(106, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7943, 55.8851, 102.9283 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(106, 209, 255) }
```


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

```
.border{ border-color:rgb(106, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7943, 55.8851, 102.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 209, 255) }
```

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

```
.background{ background-color: rgb(106,  
209, 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