

Converting Colors

XYZ(44.0118, 51.7902, 82.4033)

Have a look what the booklet for
XYZ(44.0118, 51.7902, 82.4033)
contains.

XYZ(43.9905, 51.6889, 82.5213)	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(43.9905, 51.6889,
82.5213)**

Conversions

Conversions Part 1

Format	Color
Hex	81C8E6
RGB	129, 200, 230
RGB Percent	51%, 78%, 90%
CMY	0.4941, 0.2157, 0.0980
CMYK	0.44, 0.13, 0.00, 0.10
HSL	198°, 67%, 70%
HSV	198°, 44%, 90%
XYZ	43.9905, 51.6889, 82.5213
YIQ	182.1910, -51.9460, -5.7220

Conversions

Conversions Part 2

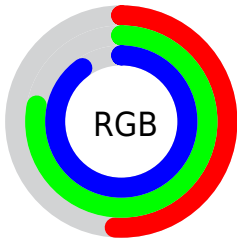
Format	Color
RYB	129, 171, 230
Decimal	8505574
CIELab	77.09, -14.51, -21.84
CIELCh	77, 26.219, 236.405
Yxy	51.6889, 0.2469, 0.2901
Android (android.graphics.Color)	4286695654 (0xFF81C8E6)
YUV	182.1910, 23.5698, -46.6485
Hunter-Lab	71.8950, -16.5972, -17.7268

Details

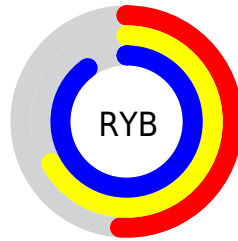
The XYZ color **43.9905, 51.6889, 82.5213** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.9948, 43.2054, 26.5277**, and the grayscale version is **44.4648, 46.7804, 50.9439**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **20.5914, 24.9915, 43.7830** is the 20% darker color. If you saturate the color by 10%, you get **39.3355, 46.9937, 81.8613**, and if you desaturate by 10%, it is **49.5057, 56.9348, 83.2441**.

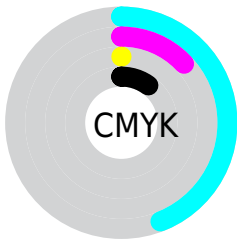
Distribution



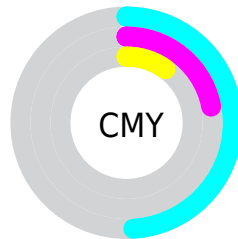
- Red (51%)
- Green (78%)
- Blue (90%)



- Red (51%)
- Yellow (67%)
- Blue (90%)



- Cyan (44%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9905, 51.6889, 82.5213 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 43.9905, 51.6889, 82.5213 by changing the saturation by 10% instead.

■ 43.9905, 51.6889,
82.5213

■ 43.9905, 51.6889,
82.5213

353.5224,
393.2344, 523.3189

■ 30.8609, 36.7572,
61.2570

■ 80.4499, 92.6723,
138.7480

■ 20.6443, 25.0195,
44.0007

■ 104.5104,
119.4927, 174.5476

■ 12.9752, 16.0916,
30.3339

■ 132.9453,
151.0448, 216.0292

■ 7.4884, 9.5890,
19.8379

166.1198,
187.7130, 263.6116

■ 3.8184, 5.1273,
12.0944

204.3995,
229.8816, 317.7132

■ 1.5999, 2.3222,
6.6847

248.1496,

■ 0.3923, 0.7854,

277.9352, 378.7526

3.1903

297.7354,
332.2580, 447.1483

■ 0.0000, 0.0000,
1.1926

■ 0.0000, 0.0000,
0.0000

■ 43.9905, 51.6889,
82.5213

■ 43.9905, 51.6889,
82.5213

■ 39.3355, 46.9937,
81.8613

■ 49.5057, 56.9348,
83.2441

■ 35.4815, 42.8139,
81.2577

■ 55.9256, 62.7522,
84.0286

■ 32.3692, 39.1187,
80.7084

■ 63.2972, 69.1678,
84.8784

■ 29.9280, 35.8703,
80.2101

■ 71.6627, 76.2046,
85.7958

■ 28.0725, 33.0232,
79.7583

■ 81.0617, 83.8844,
86.7827

■ 27.1483, 31.4437,
79.5022

■ 86.9761, 89.8792,
87.6281

■ 89.0363, 93.9996,
88.3148

■ 91.1731, 98.2733,
89.0271

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



40.9982, 51.6889, 69.4581



43.9905, 51.6889, 82.5213



48.5273, 51.6889, 88.5375

Triad

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



43.9905, 51.6889, 82.5213



59.3803, 51.6889, 58.0277



44.9694, 51.6889, 35.0156

Complementary

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



43.9905, 51.6889, 82.5213



48.9948, 43.2054, 26.5277

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.



49.7351, 51.6889, 32.9983



43.9905, 51.6889, 82.5213



58.2689, 51.6889, 44.8847

Square

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



43.9905, 51.6889, 82.5213



57.5949, 51.6889, 72.9619



54.6523, 51.6889, 36.2912



41.5358, 51.6889, 42.3576

Rectangle

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



43.9905, 51.6889, 82.5213



51.8990, 51.6889, 87.1001



54.6523, 51.6889, 36.2912



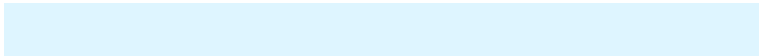
46.4589, 51.6889, 33.7524

Sweetspot

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



43.9921, 51.6909, 82.5225



80.8273, 88.1239, 107.3573



43.4900, 63.7174, 42.1832



16.8299, 18.4595, 22.9260



0.0000, 0.0000, 0.0000



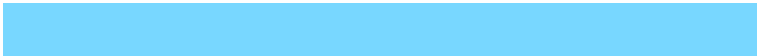
20.3446, 21.4041, 23.3091

Same Dimension

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



43.9921, 51.6909, 82.5225



50.0392, 59.7310, 103.4996



34.3855, 32.4777, 79.3203



14.4271, 15.5755, 18.3903



15.4810, 18.0241, 45.0462



1.2240, 1.4918, 3.3554

Inverse Universe

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



50.9101, 36.6952, 59.0453



60.1859, 39.5559, 68.6573



59.1811, 63.5779, 29.9231



14.8031, 14.5384, 17.1638



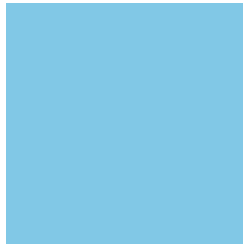
22.2076, 11.0173, 20.5201



1.6814, 0.8303, 1.7289

Previews

White Background



This preview shows how the XYZ color 43.9905, 51.6889, 82.5213 looks on a white background.

Color Contrast Check

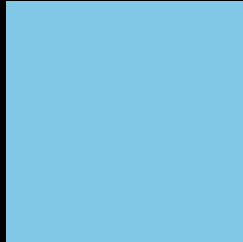
Large Text (above 18pt) WCAG AA × Fail

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 43.9905, 51.6889, 82.5213 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 43.9905, 51.6889, 82.5213

Background



This preview shows how black text looks on a background with the XYZ color 43.9905, 51.6889, 82.5213.



This preview shows how white text looks on a background with the XYZ color 43.9905, 51.6889,

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

43.9905, 51.6889, 82.5213

Protanopia

50.6965, 51.3076, 76.3386

Deuteranopia

52.5166, 51.4401, 84.2518



Tritanopia

42.3796, 51.7386, 74.0826

Trichromacy



Original Color

43.9905, 51.6889, 82.5213

Protanomaly

47.5445, 50.9220, 78.5572

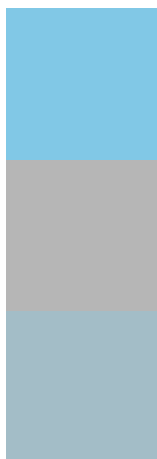
Deuteranomaly

48.7133, 51.0871, 83.6373

Tritanomaly

42.8239, 51.5592, 76.8021

Monochromacy



Original Color

43.9905, 51.6889, 82.5213

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.6107, 48.3052, 61.0581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9905, 51.6889, 82.5213 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(129, 200, 230)` looks like.

```
.text, #text, p{  
    color:rgb(129, 200, 230)  
}
```

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(129, 200, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 200, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.9905, 51.6889, 82.5213 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(129, 200, 230) }
```


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

```
.border{ border-color:rgb(129, 200, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 200, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 200, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 200, 230);  
box-shadow:4px 4px 4px 4px rgb(129, 200,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9905, 51.6889, 82.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 200, 230) }
```

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

```
.background{ background-color: rgb(129,  
200, 230) }
```

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