

Converting Colors

XYZ(43.3677, 50.8857, 83.0206)

Have a look what the booklet for
XYZ(43.3677, 50.8857, 83.0206)
contains.

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Color

**XYZ(43.4514, 51.0520,
83.1652)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC7E7
RGB	126, 199, 231
RGB Percent	49%, 78%, 91%
CMY	0.5059, 0.2196, 0.0941
CMYK	0.45, 0.14, 0.00, 0.09
HSL	198°, 69%, 70%
HSV	198°, 45%, 91%
XYZ	43.4514, 51.0520, 83.1652
YIQ	180.8210, -53.7800, -5.5240

Conversions

Conversions Part 2

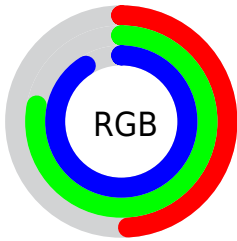
Format	Color
R _Y B	126, 169, 231
Decimal	8308711
CIE Lab	76.71, -14.44, -22.97
CIE LCh	77, 27.135, 237.852
Yxy	51.0520, 0.2446, 0.2873
Android (android.graphics.Color)	4286498791 (0xFF7EC7E7)
YUV	180.8210, 24.7382, -48.0780
Hunter-Lab	71.4507, -16.4872, -18.9953

Details

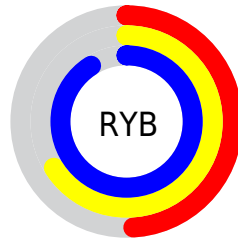
The XYZ color **43.4514, 51.0520, 83.1652** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.9489, 42.9502, 25.4505**, and the grayscale version is **43.7172, 45.9939, 50.0873**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **20.2472, 24.5749, 44.2337** is the 20% darker color. If you saturate the color by 10%, you get **38.8482, 46.3308, 82.4974**, and if you desaturate by 10%, it is **48.9192, 56.3324, 83.8972**.

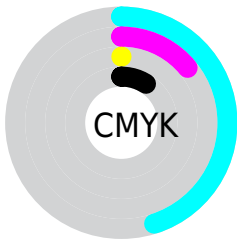
Distribution



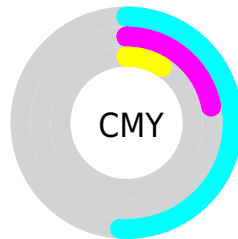
- Red (49%)
- Green (78%)
- Blue (91%)



- Red (49%)
- Yellow (66%)
- Blue (91%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4514, 51.0520, 83.1652 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 43.4514, 51.0520, 83.1652 by changing the saturation by 10% instead.

■ 43.4514, 51.0520,
83.1652

■ 43.4514, 51.0520,
83.1652

351.3550,
390.7658, 525.5223

■ 30.4355, 36.2500,
61.7850

■ 79.6431, 91.7316,
139.6581

■ 20.3191, 24.6273,
44.4244

■ 103.5496,
118.3780, 175.6080

■ 12.7368, 15.7996,
30.6646

■ 131.8170,
149.7414, 217.2514

■ 7.3233, 9.3825,
20.0873

164.8106,
186.2061, 265.0071

■ 3.7132, 4.9915,
12.2738

202.8959,
228.1564, 319.2935

■ 1.5412, 2.2423,
6.8056

246.4381,

■ 0.3536, 0.7429,

275.9769, 380.5291

3.2642

295.8027,
330.0519, 449.1326

■ 0.0000, 0.0000,
1.2311

■ 0.0000, 0.0000,
0.0043

■ 43.4514, 51.0520,
83.1652

■ 43.4514, 51.0520,
83.1652

■ 38.8482, 46.3308,
82.4974

■ 48.9192, 56.3324,
83.8972

■ 35.0488, 42.1326,
81.8874

■ 55.2973, 62.1937,
84.6923

■ 31.9918, 38.4254,
81.3329

■ 62.6340, 68.6632,
85.5544

■ 29.6042, 35.1700,
80.8304

■ 70.9723, 75.7647,
86.4856

■ 27.7960, 32.3183,
80.3753

■ 80.3528, 83.5203,
87.4882

■ 27.0996, 31.1209,
80.1809

■ 87.1910, 90.0836,
88.3947

■ 89.3181, 94.3379,
89.1037

■ 91.4240, 98.5496,
89.8056

Harmonies

Analogous

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



40.2980, 51.0520, 69.8889



43.4514, 51.0520, 83.1652



48.1538, 51.0520, 88.9461

Triad

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



43.4514, 51.0520, 83.1652



59.0865, 51.0520, 56.6550



44.0504, 51.0520, 34.1262

Complementary

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



43.4514, 51.0520, 83.1652



48.9489, 42.9502, 25.4505

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.



48.8949, 51.0520, 31.8255



43.4514, 51.0520, 83.1652



57.7982, 51.0520, 43.3827

Square

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



43.4514, 51.0520, 83.1652



57.3828, 51.0520, 72.0521



53.9755, 51.0520, 34.8985



40.6263, 51.0520, 41.8431

Rectangle

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



43.4514, 51.0520, 83.1652



51.6171, 51.0520, 87.1213



53.9755, 51.0520, 34.8985



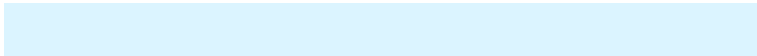
45.5559, 51.0520, 32.7606

Sweetspot

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



43.4530, 51.0539, 83.1664



79.7407, 87.1005, 107.2170



43.3100, 64.0400, 42.2024



16.6111, 18.2480, 22.8967



0.0000, 0.0000, 0.0000



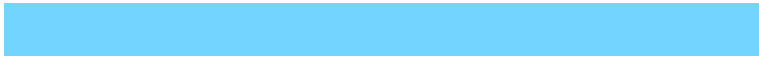
20.3446, 21.4041, 23.3091

Same Dimension

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



43.4530, 51.0539, 83.1664



48.6956, 58.0643, 103.2487



33.4632, 31.0742, 79.8365



14.4173, 15.5561, 18.3871



15.3066, 17.6753, 44.9881



1.2121, 1.4682, 3.3515

Inverse Universe

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



50.7260, 36.0357, 58.3169



59.2586, 38.2311, 66.7146



59.7687, 64.5897, 29.0571



14.7982, 14.5365, 17.1379



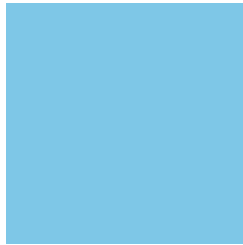
22.1196, 10.9820, 20.0565



1.6755, 0.8279, 1.6975

Previews

White Background



This preview shows how the XYZ color 43.4514, 51.0520, 83.1652 looks on a white background.

Color Contrast Check

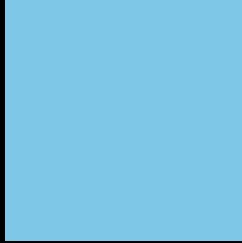
Large Text (above 18pt) WCAG AA × Fail

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 43.4514, 51.0520, 83.1652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

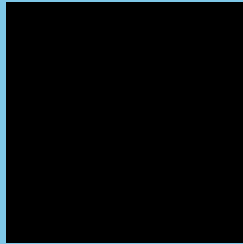
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.4514, 51.0520, 83.1652

Background



This preview shows how black text looks on a background with the XYZ color 43.4514, 51.0520, 83.1652.

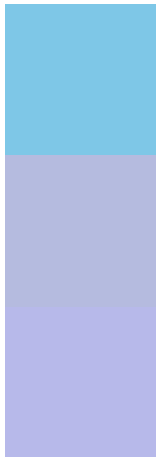


This preview shows how white text looks on a background with the XYZ color 43.4514, 51.0520,

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

43.4514, 51.0520, 83.1652

Protanopia

50.1457, 50.6921, 76.9536

Deuteranopia

51.7287, 50.7057, 84.9027



Tritanopia

41.5676, 50.9728, 73.9776

Trichromacy



Original Color

43.4514, 51.0520, 83.1652

Protanomaly

47.0562, 50.3297, 79.1860

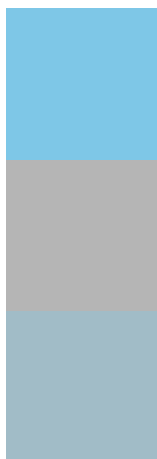
Deuteranomaly

48.0217, 50.3915, 84.2863

Tritanomaly

42.1419, 50.8472, 77.4054

Monochromacy



Original Color

43.4514, 51.0520, 83.1652

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.9900, 47.6670, 60.9677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4514, 51.0520, 83.1652 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(126, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 199, 231)  
}
```

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(126, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 199, 231) }
```

Border

The CSS property to change the border of an element to XYZ 43.4514, 51.0520, 83.1652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

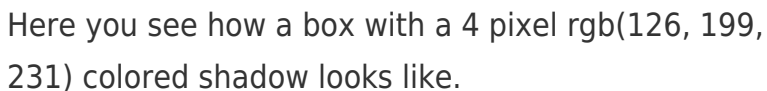
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 199, 231) }
```


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

```
.border{ border-color:rgb(126, 199, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 199, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 199, 231); box-shadow:4px 4px 4px 4px rgb(126, 199, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4514, 51.0520, 83.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 199, 231) }
```

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

```
.background{ background-color: rgb(126,  
199, 231) }
```

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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