

Converting Colors

XYZ(43.2966, 51.7304, 85.9984)

Have a look what the booklet for
XYZ(43.2966, 51.7304, 85.9984)
contains.

XYZ(43.2182, 51.5534, 86.2702)	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(43.2182, 51.5534,
86.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	75C9EB
RGB	117, 201, 235
RGB Percent	46%, 79%, 92%
CMY	0.5412, 0.2118, 0.0784
CMYK	0.50, 0.14, 0.00, 0.08
HSL	197°, 75%, 69%
HSV	197°, 50%, 92%
XYZ	43.2182, 51.5534, 86.2702
YIQ	179.7600, -60.9780, -7.2340

Conversions

Conversions Part 2

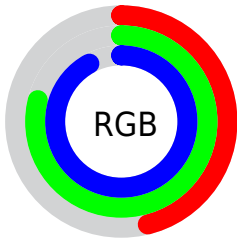
Format	Color
R _{YB}	117, 166, 235
Decimal	7719403
CIE _{Lab}	77.01, -16.43, -24.70
CIE _{LCh}	77, 29.667, 236.364
Y _{xy}	51.5534, 0.2387, 0.2848
Android (android.graphics.Color)	4285909483 (0xFF75C9EB)
Y _{UV}	179.7600, 27.2333, -55.0405
Hunter-Lab	71.8007, -18.2087, -20.9778

Details

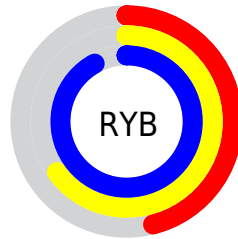
The XYZ color **43.2182, 51.5534, 86.2702** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.5398, 41.0812, 22.2025**, and the grayscale version is **43.1374, 45.3840, 49.4231**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **20.2013, 24.9629, 46.4014** is the 20% darker color. If you saturate the color by 10%, you get **38.9046, 47.0389, 85.6271**, and if you desaturate by 10%, it is **48.3971, 56.6195, 86.9760**.

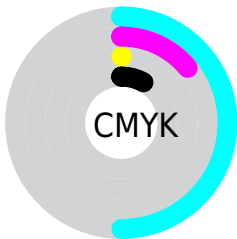
Distribution



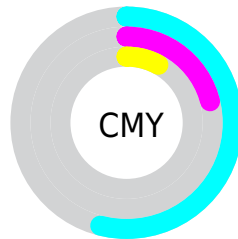
- Red (46%)
- Green (79%)
- Blue (92%)



- Red (46%)
- Yellow (65%)
- Blue (92%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (54%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2182, 51.5534, 86.2702 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 43.2182, 51.5534, 86.2702 by changing the saturation by 10% instead.

■ 43.2182, 51.5534,
86.2702

■ 43.2182, 51.5534,
86.2702

350.4147,
392.7101, 536.0756

■ 30.2516, 36.6492,
64.3353

■ 79.2937, 92.4723,
144.0364

■ 20.1787, 24.9360,
46.4743

■ 103.1333,
119.2557, 180.7047

■ 12.6340, 16.0294,
32.2689

■ 131.3280,
150.7678, 223.1212

■ 7.2523, 9.5450,
21.3005

164.2431,
187.3928, 271.7044

■ 3.6681, 5.0983,
13.1504

202.2439,
229.5151, 326.8729

■ 1.5161, 2.3051,
7.4003

245.6959,

■ 0.3368, 0.7764,

277.5191, 389.0453

3.6315

294.9644,
331.7893, 458.6400

■ 0.0000, 0.0000,
1.4254

■ 0.0000, 0.0000,
0.1614

■ 43.2182, 51.5534,
86.2702

■ 43.2182, 51.5534,
86.2702

■ 38.9046, 47.0389,
85.6271

■ 48.3971, 56.6195,
86.9760

■ 35.3901, 43.0371,
85.0399

■ 54.4915, 62.2610,
87.7438

■ 32.6061, 39.5127,
84.5064

■ 61.5532, 68.5071,
88.5772

■ 30.4694, 36.4213,
84.0223

■ 69.6288, 75.3830,
89.4787

■ 28.8676, 33.7422,
83.5896

■ 78.7616, 82.9122,
90.4507

■ 87.8776, 90.5423,
91.4429

■ 89.9263, 94.6397,
92.1259

■ 91.9956, 98.7782,
92.8156

Harmonies

Analogous

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



39.8855, 51.5534, 71.1348



43.2182, 51.5534, 86.2702



48.3134, 51.5534, 93.3166

Triad

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



43.2182, 51.5534, 86.2702



60.6773, 51.5534, 58.1318



44.3264, 51.5534, 32.5910

Complementary

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



43.2182, 51.5534, 86.2702



48.5398, 41.0812, 22.2025

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.



49.6930, 51.5534, 30.4293



43.2182, 51.5534, 86.2702



59.4068, 51.5534, 43.4040

Square

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



43.2182, 51.5534, 86.2702



58.6259, 51.5534, 75.2177



55.2757, 51.5534, 33.9855



40.4899, 51.5534, 40.5846

Rectangle

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



43.2182, 51.5534, 86.2702



52.1290, 51.5534, 91.6437



55.2757, 51.5534, 33.9855



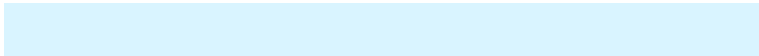
45.9987, 51.5534, 31.2336

Sweetspot

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



43.2199, 51.5553, 86.2714



78.9354, 86.6222, 107.1672



42.5859, 65.4158, 39.4213



16.4601, 18.1689, 22.8893



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.



43.2199, 51.5553, 86.2714



46.8030, 56.5917, 103.0643



32.0907, 29.2970, 82.5617



15.1298, 16.3460, 19.2799



16.1806, 19.0083, 46.5591



1.3523, 1.6561, 3.6833

Inverse Universe

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



51.1663, 34.6035, 59.2427



57.7387, 35.4617, 65.3746



60.3800, 64.7618, 26.1493



15.5190, 15.2355, 18.0186



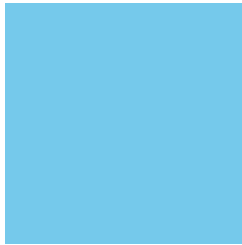
23.0225, 11.4117, 21.7178



1.8491, 0.9126, 1.9226

Previews

White Background



This preview shows how the XYZ color 43.2182, 51.5534, 86.2702 looks on a white background.

Color Contrast Check

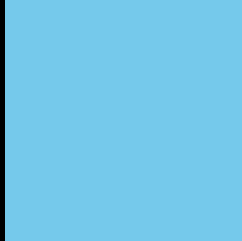
Large Text (above 18pt) WCAG AA × Fail

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 43.2182, 51.5534, 86.2702 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 43.2182, 51.5534, 86.2702

Background



This preview shows how black text looks on a background with the XYZ color 43.2182, 51.5534, 86.2702.

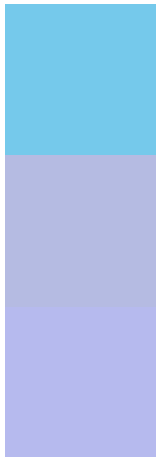


This preview shows how white text looks on a background with the XYZ color 43.2182, 51.5534,

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

43.2182, 51.5534, 86.2702

Protanopia

50.5538, 50.8554, 79.1031

Deuteranopia

52.2829, 51.2359, 88.0228



Tritanopia

41.1932, 51.7978, 75.5370

Trichromacy



Original Color

43.2182, 51.5534, 86.2702

Protanomaly

47.0930, 50.6255, 81.4184

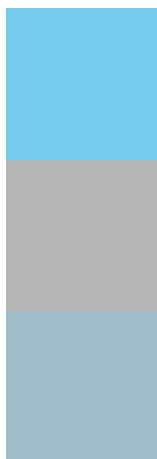
Deuteranomaly

48.0174, 50.6451, 87.3655

Tritanomaly

41.8860, 51.7255, 79.0106

Monochromacy



Original Color

43.2182, 51.5534, 86.2702

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.3132, 47.3047, 61.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2182, 51.5534, 86.2702 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(117, 201, 235)` looks like.

```
.text, #text, p{  
    color:rgb(117, 201, 235)  
}
```

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(117, 201, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 235) }
```

Border

The CSS property to change the border of an element to XYZ 43.2182, 51.5534, 86.2702 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(117, 201, 235) }
```


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

```
.border{ border-color:rgb(117, 201, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 201, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 235);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2182, 51.5534, 86.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 235) }
```

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

```
.background{ background-color: rgb(117,  
201, 235) }
```

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