

Converting Colors

XYZ(38.5281, 43.4125, 66.7511)

Have a look what the booklet for
XYZ(38.5281, 43.4125, 66.7511)
contains.

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Color

**XYZ(38.5531, 43.3777,
66.6624)**

Conversions

Conversions Part 1

Format	Color
Hex	89B6D1
RGB	137, 182, 209
RGB Percent	54%, 71%, 82%
CMY	0.4627, 0.2863, 0.1804
CMYK	0.34, 0.13, 0.00, 0.18
HSL	202°, 44%, 68%
HSV	202°, 34%, 82%
XYZ	38.5531, 43.3777, 66.6624
YIQ	171.6230, -35.4870, -1.1430

Conversions

Conversions Part 2

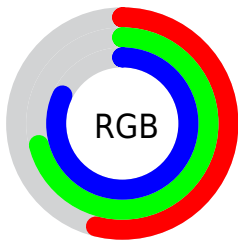
Format	Color
RYB	137, 165, 209
Decimal	9025233
CIELab	71.81, -8.37, -18.43
CIELCh	72, 20.241, 245.565
Yxy	43.3777, 0.2595, 0.2919
Android (android.graphics.Color)	4287215313 (0xFF89B6D1)
YUV	171.6230, 18.4269, -30.3644
Hunter-Lab	65.8617, -10.7706, -13.9075

Details

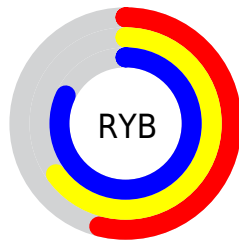
The XYZ color **38.5531, 43.3777, 66.6624** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.0861, 41.9130, 29.4346**, and the grayscale version is **38.9461, 40.9744, 44.6211**.

A 20% lighter version of the original color is **70.3628, 79.5755, 106.2588**, and **17.4228, 19.9519, 33.9432** is the 20% darker color. If you saturate the color by 10%, you get **33.8931, 38.6599, 65.9981**, and if you desaturate by 10%, it is **43.9692, 48.6206, 67.3897**.

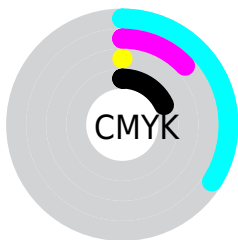
Distribution



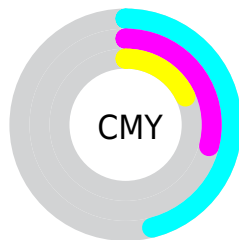
- Red (54%)
- Green (71%)
- Blue (82%)



- Red (54%)
- Yellow (65%)
- Blue (82%)



- Cyan (34%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (46%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5531, 43.3777, 66.6624 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 38.5531, 43.3777, 66.6624 by changing the saturation by 10% instead.

■ 38.5531, 43.3777,
66.6624

■ 38.5531, 43.3777,
66.6624

331.2267,
360.1628, 467.2109

■ 26.5914, 30.1816,
48.3504

■ 72.2536, 80.2805,
116.0726

■ 17.4016, 19.9765,
33.7425

■ 94.7230, 104.7560,
148.0079

■ 10.6183, 12.3779,
22.4201

■ 121.4258,
133.7600, 185.3214

■ 5.8762, 7.0016,
13.9647

152.7272,
167.6771, 228.4317

■ 2.8099, 3.4631,
7.9576

188.9927,
206.8915, 277.7572

■ 1.0540, 1.3780,
3.9805

230.5875,

■ 0.0000, 0.2004,

251.7876, 333.7165

1.6146

277.8771,
302.7499, 396.7282

■ 0.0000, 0.0000,
0.3012

■ 0.0000, 0.0000,
0.0000

■ 38.5531, 43.3777,
66.6624

■ 38.5531, 43.3777,
66.6624

■ 33.8931, 38.6599,
65.9981

■ 43.9692, 48.6206,
67.3897

■ 29.9453, 34.4395,
65.3916

■ 50.1742, 54.4048,
68.1791

■ 26.6671, 30.6933,
64.8413

■ 57.2038, 60.7514,
69.0336

■ 24.0094, 27.3936,
64.3444

■ 65.0899, 67.6793,
69.9552

■ 21.9153, 24.5089,
63.8980

■ 73.8630, 75.2059,
70.9456

■ 20.3161, 22.0013,
63.4983

■ 80.7753, 81.9166,
71.8766

■ 19.5754, 20.7368,
63.2933

■ 82.9934, 86.3528,
72.6159

■ 85.3106, 90.9873,
73.3883

■ 87.7283, 95.8225,
74.1942

Harmonies

Analogous

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



36.0792, 43.3777, 59.1281



38.5531, 43.3777, 66.6624



41.8740, 43.3777, 68.7055

Triad

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



38.5531, 43.3777, 66.6624



48.1693, 43.3777, 45.4175



37.5004, 43.3777, 33.4362

Complementary

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



38.5531, 43.3777, 66.6624



44.0861, 41.9130, 29.4346

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.



40.5911, 43.3777, 30.7741



38.5531, 43.3777, 66.6624



46.8473, 43.3777, 37.0473

Square

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



38.5531, 43.3777, 66.6624



47.5493, 43.3777, 55.5085



44.0264, 43.3777, 31.9981



35.4955, 43.3777, 39.8201

Rectangle

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



38.5531, 43.3777, 66.6624



44.1500, 43.3777, 66.4639



44.0264, 43.3777, 31.9981



38.4401, 43.3777, 32.1201

Sweetspot

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



38.5545, 43.3794, 66.6634



83.3080, 89.5305, 107.4981



39.7648, 53.5790, 43.0856



17.5015, 18.8641, 22.9687



0.0000, 0.0000, 0.0000



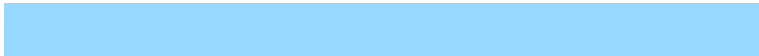
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5545, 43.3794, 66.6634



55.2142, 62.7539, 103.8104



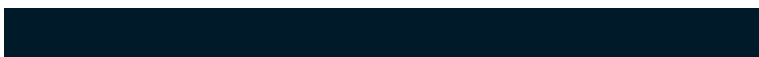
32.1979, 30.6663, 64.5446



11.7704, 12.6310, 15.0613



12.1669, 12.9804, 39.0567



0.7552, 0.8756, 2.2088

Inverse Universe

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



43.6848, 34.8253, 48.6773



64.5866, 48.1639, 70.7199



51.3263, 56.3936, 31.8480



12.1150, 11.9307, 13.8813



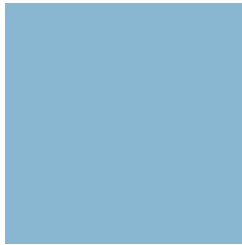
18.7720, 9.3816, 14.2375



1.0874, 0.5397, 0.9951

Previews

White Background



This preview shows how the XYZ color 38.5531, 43.3777, 66.6624 looks on a white background.

Color Contrast Check

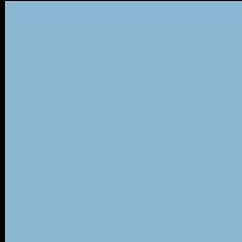
Large Text (above 18pt) WCAG AA × Fail

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 38.5531, 43.3777, 66.6624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

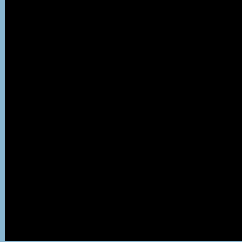
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5531, 43.3777, 66.6624

Background



This preview shows how black text looks on a background with the XYZ color 38.5531, 43.3777, 66.6624.



This preview shows how white text looks on a background with the XYZ color 38.5531, 43.3777,

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

38.5531, 43.3777, 66.6624

Protanopia

42.6127, 43.1778, 63.2150

Deuteranopia

44.1896, 43.3222, 67.6610



Tritanopia

37.2808, 43.4728, 60.4590

Trichromacy



Original Color

38.5531, 43.3777, 66.6624

Protanomaly

40.9633, 43.1696, 64.5661

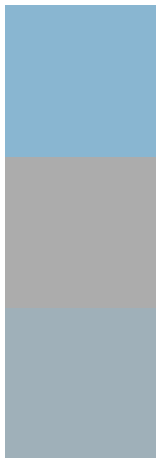
Deuteranomaly

41.8561, 43.2809, 67.1208

Tritanomaly

37.7047, 43.3297, 62.8761

Monochromacy



Original Color

38.5531, 43.3777, 66.6624

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.5804, 41.9244, 51.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5531, 43.3777, 66.6624 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(137, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(137, 182, 209)  
}
```

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(137, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 182, 209) }
```

Border

The CSS property to change the border of an element to XYZ 38.5531, 43.3777, 66.6624 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(137, 182, 209) }
```


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

```
.border{ border-color:rgb(137, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(137, 182,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5531, 43.3777, 66.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 182, 209) }
```

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

```
.background{ background-color: rgb(137,  
182, 209) }
```

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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