

Converting Colors

XYZ(38.9981, 46.1266, 68.5733)

Have a look what the booklet for
XYZ(38.9981, 46.1266, 68.5733)
contains.

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Color

**XYZ(38.9237, 46.0421,
68.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBED3
RGB	127, 190, 211
RGB Percent	50%, 75%, 83%
CMY	0.5019, 0.2549, 0.1725
CMYK	0.40, 0.10, 0.00, 0.17
HSL	195°, 49%, 66%
HSV	195°, 40%, 83%
XYZ	38.9237, 46.0421, 68.4635
YIQ	173.5570, -44.2890, -6.8250

Conversions

Conversions Part 2

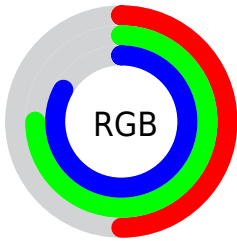
Format	Color
R _Y B	127, 163, 211
Decimal	8371923
CIE Lab	73.57, -14.79, -16.91
CIE LCh	74, 22.460, 228.825
Yxy	46.0421, 0.2537, 0.3001
Android (android.graphics.Color)	4286562003 (0xFF7FBED3)
YUV	173.5570, 18.4594, -40.8305
Hunter-Lab	67.8543, -16.3510, -12.3243

Details

The XYZ color **38.9237, 46.0421, 68.4635** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2854, 36.5616, 24.9610**, and the grayscale version is **39.9309, 42.0104, 45.7493**.

A 20% lighter version of the original color is **70.5342, 83.1988, 106.9492**, and **17.6189, 21.6693, 34.7065** is the 20% darker color. If you saturate the color by 10%, you get **34.9827, 42.3460, 67.9586**, and if you desaturate by 10%, it is **43.5670, 50.1637, 69.0151**.

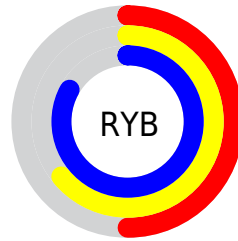
Distribution



Red (50%)

Green (75%)

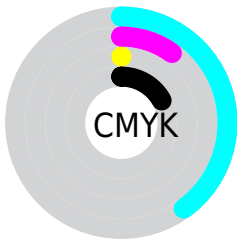
Blue (83%)



Red (50%)

Yellow (64%)

Blue (83%)

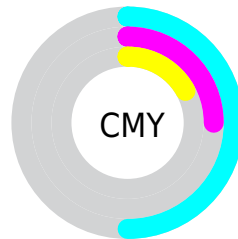


Cyan (40%)

Magenta (10%)

Yellow (0%)

Black (17%)



Cyan (50%)

Magenta (25%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9237, 46.0421, 68.4635 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 38.9237, 46.0421, 68.4635 by changing the saturation by 10% instead.

■ 38.9237, 46.0421,
68.4635

■ 38.9237, 46.0421,
68.4635

332.7787,
370.9779, 473.7791

■ 26.8808, 32.2790,
49.8059

■ 72.8166, 84.2820,
118.6754

■ 17.6199, 21.5747,
34.8891

■ 95.3973, 109.5276,
151.0668

■ 10.7755, 13.5448,
23.2946

■ 122.2213,
139.3696, 188.8732

■ 5.9822, 7.8047,
14.6038

153.6540,
174.1922, 232.5131

■ 2.8748, 3.9702,
8.3983

190.0607,
214.3800, 282.4052

■ 1.0879, 1.6569,
4.2594

231.8069,

■ 0.0150, 0.3955,

260.3173, 338.9678

1.7687

279.2578,
312.3884, 402.6196

■ 0.0000, 0.0000,
0.4072

■ 0.0000, 0.0000,
0.0000

■ 38.9237, 46.0421,
68.4635

■ 38.9237, 46.0421,
68.4635

■ 34.9827, 42.3460,
67.9586

■ 43.5670, 50.1637,
69.0151

■ 31.6978, 39.0479,
67.4951

■ 48.9464, 54.7258,
69.6122

■ 29.0239, 36.1248,
67.0719

■ 55.0989, 59.7490,
70.2575

■ 26.9080, 33.5488,
66.6862

■ 62.0574, 65.2510,
70.9527

■ 25.2874, 31.2870,
66.3350

■ 69.8530, 71.2484,
71.6994

■ 24.0507, 29.2811,
66.0130

■ 78.5150, 77.7568,
72.4992

■ 24.0284, 29.2440,
66.0070

■ 80.4468, 80.8607,
72.9965

■ 81.9110, 83.7893,
73.4846

■ 83.4199, 86.8070,
73.9875

Harmonies

Analogous

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



36.9236, 46.0421, 57.5263



38.9237, 46.0421, 68.4635



42.2981, 46.0421, 74.7969

Triad

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



38.9237, 46.0421, 68.4635



51.6898, 46.0421, 54.4916



41.3432, 46.0421, 32.1486

Complementary

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



38.9237, 46.0421, 68.4635



41.2854, 36.5616, 24.9610

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.



45.2585, 46.0421, 31.5901



38.9237, 46.0421, 68.4635



51.3957, 46.0421, 43.4002

Square

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



38.9237, 46.0421, 68.4635



49.7656, 46.0421, 65.9547



48.9847, 46.0421, 35.4050



38.2611, 46.0421, 37.0668

Rectangle

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



38.9237, 46.0421, 68.4635



44.9438, 46.0421, 75.0004



48.9847, 46.0421, 35.4050



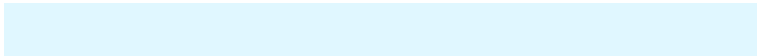
42.6004, 46.0421, 31.4758

Sweetspot

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



38.9251, 46.0439, 68.4646



82.2827, 89.8675, 107.6171



37.2828, 53.1955, 35.7434



17.3380, 19.0133, 23.0061



0.0000, 0.0000, 0.0000



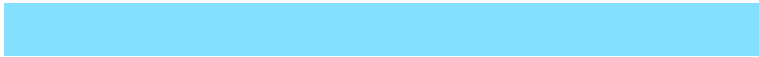
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9251, 46.0439, 68.4646



54.4238, 65.7019, 104.4210



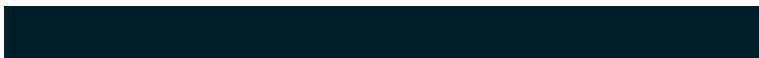
31.3222, 30.8381, 65.9303



11.8977, 12.8857, 15.1038



14.5860, 17.8185, 39.8630



0.8764, 1.1180, 2.2492

Inverse Universe

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



43.7488, 32.7465, 52.7321



63.0821, 43.3294, 75.8461



48.8073, 51.6056, 27.4683



12.1793, 11.9564, 14.2198



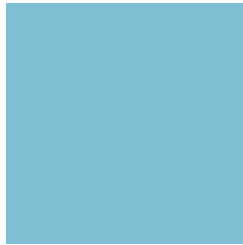
19.9930, 9.8701, 20.6674



1.1486, 0.5642, 1.3173

Previews

White Background



This preview shows how the XYZ color 38.9237, 46.0421, 68.4635 looks on a white background.

Color Contrast Check

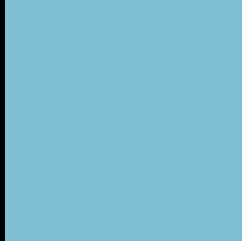
Large Text (above 18pt) WCAG AA × Fail

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 38.9237, 46.0421, 68.4635 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 38.9237, 46.0421, 68.4635

Background



This preview shows how black text looks on a background with the XYZ color 38.9237, 46.0421, 68.4635.



This preview shows how white text looks on a background with the XYZ color 38.9237, 46.0421,

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

38.9237, 46.0421, 68.4635

Protanopia

44.9237, 45.8299, 63.6051

Deuteranopia

46.7190, 45.7295, 69.9826



Tritanopia

38.3756, 46.1535, 65.2784

Trichromacy



Original Color

38.9237, 46.0421, 68.4635

Protanomaly

42.2965, 45.6411, 65.6118

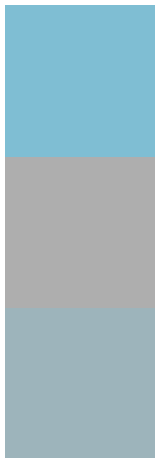
Deuteranomaly

43.2321, 45.4289, 69.4409

Tritanomaly

38.6202, 46.2513, 66.5664

Monochromacy



Original Color

38.9237, 46.0421, 68.4635

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.1955, 43.3985, 53.3246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9237, 46.0421, 68.4635 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(127, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(127, 190, 211)  
}
```

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(127, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 190, 211) }
```

Border

The CSS property to change the border of an element to XYZ 38.9237, 46.0421, 68.4635 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(127, 190, 211) }
```


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

```
.border{ border-color:rgb(127, 190, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(127, 190,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9237, 46.0421, 68.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 190, 211) }
```

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

```
.background{ background-color: rgb(127,  
190, 211) }
```

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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