

Converting Colors

XYZ(38.7651, 44.2059, 64.8898)

Have a look what the booklet for
XYZ(38.7651, 44.2059, 64.8898)
contains.

XYZ(38.7623, 44.1405, 64.8695)	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(38.7623, 44.1405,
64.8695)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB8CE
RGB	138, 184, 206
RGB Percent	54%, 72%, 81%
CMY	0.4588, 0.2784, 0.1922
CMYK	0.33, 0.11, 0.00, 0.19
HSL	199°, 41%, 67%
HSV	199°, 33%, 81%
XYZ	38.7623, 44.1405, 64.8695
YIQ	172.7540, -34.4780, -2.9100

Conversions

Conversions Part 2

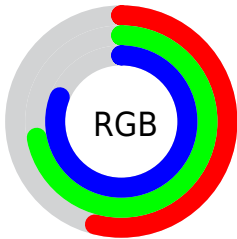
Format	Color
RYB	138, 165, 206
Decimal	9091278
CIELab	72.32, -9.91, -16.01
CIELCh	72, 18.829, 238.241
Yxy	44.1405, 0.2623, 0.2987
Android (android.graphics.Color)	4287281358 (0xFF8AB8CE)
YUV	172.7540, 16.3903, -30.4793
Hunter-Lab	66.4383, -12.1243, -11.3832

Details

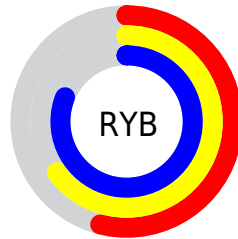
The XYZ color **38.7623, 44.1405, 64.8695** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6125, 40.0989, 29.5398**, and the grayscale version is **39.5281, 41.5867, 45.2879**.

A 20% lighter version of the original color is **71.2024, 80.8776, 106.4659**, and **17.5301, 20.4309, 32.7254** is the 20% darker color. If you saturate the color by 10%, you get **34.3203, 39.8446, 64.2752**, and if you desaturate by 10%, it is **43.9186, 48.9035, 65.5178**.

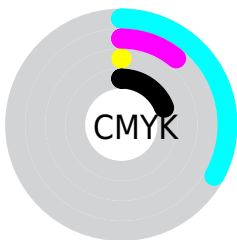
Distribution



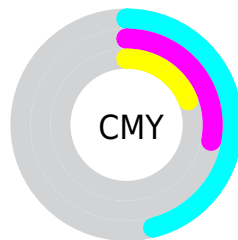
- Red (54%)
- Green (72%)
- Blue (81%)



- Red (54%)
- Yellow (65%)
- Blue (81%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (46%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7623, 44.1405, 64.8695 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 38.7623, 44.1405, 64.8695 by changing the saturation by 10% instead.

■ 38.7623, 44.1405,
64.8695

■ 38.7623, 44.1405,
64.8695

332.1034,
363.2813, 460.6162

■ 26.7548, 30.7810,
46.9046

■ 72.5714, 81.4291,
113.4737

■ 17.5248, 20.4321,
32.6064

■ 95.1038, 106.1270,
144.9501

■ 10.7069, 12.7095,
21.5565

■ 121.8750,
135.3731, 181.7674

■ 5.9360, 7.2288,
13.3362

153.2507,
169.5519, 224.3441

■ 2.8465, 3.6056,
7.5270

189.5959,
209.0477, 273.0988

■ 1.0731, 1.4555,
3.7104

231.2763,

■ 0.0024, 0.2571,

254.2450, 328.4500

1.4679

278.6570,
305.5280, 390.8163

■ 0.0000, 0.0000,
0.1938

■ 0.0000, 0.0000,
0.0000

■ 38.7623, 44.1405,
64.8695

■ 38.7623, 44.1405,
64.8695

■ 34.3203, 39.8446,
64.2752

■ 43.9186, 48.9035,
65.5178

■ 30.5511, 35.9901,
63.7298

■ 49.8198, 54.1476,
66.2190

■ 27.4147, 32.5559,
63.2323

■ 56.4996, 59.8925,
66.9758

■ 24.8652, 29.5170,
62.7801

■ 63.9882, 66.1549,
67.7899

■ 22.8495, 26.8448,
62.3705

■ 72.3142, 72.9509,
68.6628

■ 21.3041, 24.5049,
62.0004

■ 79.0334, 79.0216,
69.4805

■ 20.4254, 23.0256,
61.7611

■ 80.8596, 82.6741,
70.0892

■ 82.7569, 86.4686,
70.7216

■ 84.7258, 90.4065,
71.3780

Harmonies

Analogous

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



36.7057, 44.1405, 57.0005



38.7623, 44.1405, 64.8695



41.7635, 44.1405, 68.1739

Triad

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



38.7623, 44.1405, 64.8695



48.4889, 44.1405, 48.6107



39.0771, 44.1405, 34.0045

Complementary

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



38.7623, 44.1405, 64.8695



42.6125, 40.0989, 29.5398

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.



42.1456, 44.1405, 32.3536



38.7623, 44.1405, 64.8695



47.6806, 44.1405, 40.1096

Square

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



38.7623, 44.1405, 64.8695



47.4728, 44.1405, 58.0690



45.3167, 44.1405, 34.4408



36.8808, 44.1405, 39.2754

Rectangle

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



38.7623, 44.1405, 64.8695



43.9331, 44.1405, 67.0596



45.3167, 44.1405, 34.4408



40.0357, 44.1405, 33.0401

Sweetspot

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



38.7637, 44.1422, 64.8705



83.7074, 90.3295, 107.6312



38.8579, 52.0686, 41.0474



17.5983, 19.0579, 23.0010



0.0000, 0.0000, 0.0000



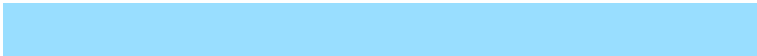
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7637, 44.1422, 64.8705



57.3088, 66.2362, 104.3721



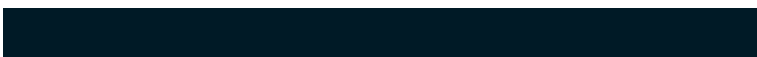
32.6038, 31.8226, 62.8172



11.2254, 12.0913, 14.3126



12.6685, 14.3609, 38.0605



0.7206, 0.8749, 1.9858

Inverse Universe

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



43.1949, 34.7606, 49.7822



65.8164, 49.3165, 75.1592



49.2300, 53.3339, 31.7457



11.5272, 11.3396, 13.3106



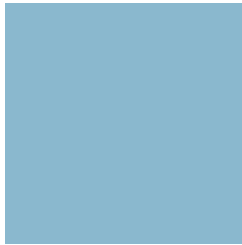
18.6054, 9.2527, 16.1723



0.9936, 0.4909, 1.0124

Previews

White Background



This preview shows how the XYZ color 38.7623, 44.1405, 64.8695 looks on a white background.

Color Contrast Check

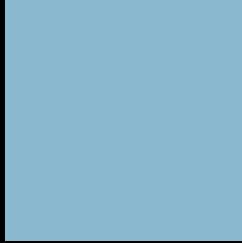
Large Text (above 18pt) WCAG AA × Fail

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 38.7623, 44.1405, 64.8695 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 38.7623, 44.1405, 64.8695

Background



This preview shows how black text looks on a background with the XYZ color 38.7623, 44.1405, 64.8695.



This preview shows how white text looks on a background with the XYZ color 38.7623, 44.1405,

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

38.7623, 44.1405, 64.8695

Protanopia

42.9889, 43.7143, 60.8155

Deuteranopia

44.9191, 44.0249, 65.8047



Tritanopia

38.0908, 44.1864, 61.1648

Trichromacy



Original Color

38.7623, 44.1405, 64.8695

Protanomaly

41.0783, 43.5786, 62.1236

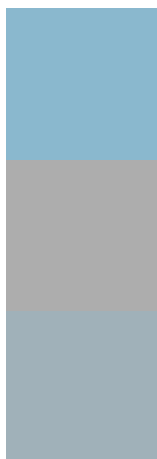
Deuteranomaly

42.2945, 43.8418, 65.2646

Tritanomaly

38.3262, 44.2806, 62.4041

Monochromacy



Original Color

38.7623, 44.1405, 64.8695

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9763, 42.4206, 52.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7623, 44.1405, 64.8695 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(138, 184, 206)` looks like.

```
.text, #text, p{  
    color:rgb(138, 184, 206)  
}
```

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(138, 184, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 184, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.7623, 44.1405, 64.8695 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(138, 184, 206) }
```


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

```
.border{ border-color:rgb(138, 184, 206) }
```

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

Here you see how a box with a 4 pixel rgb(138, 184, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 184, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 184, 206);  
box-shadow:4px 4px 4px 4px rgb(138, 184,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7623, 44.1405, 64.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 184, 206) }
```

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

```
.background{ background-color: rgb(138,  
184, 206) }
```

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