

Converting Colors

XYZ(38.2344, 45.7301, 65.9956)

Have a look what the booklet for
XYZ(38.2344, 45.7301, 65.9956)
contains.

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Color

**XYZ(38.2801, 45.7675,
65.8479)**

Conversions

Conversions Part 1

Format	Color
Hex	7EBECF
RGB	126, 190, 207
RGB Percent	49%, 75%, 81%
CMY	0.5059, 0.2549, 0.1882
CMYK	0.39, 0.08, 0.00, 0.19
HSL	193°, 46%, 65%
HSV	193°, 39%, 81%
XYZ	38.2801, 45.7675, 65.8479
YIQ	172.8020, -43.6010, -8.2810

Conversions

Conversions Part 2

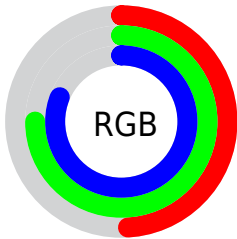
Format	Color
RYB	126, 162, 207
Decimal	8306383
CIELab	73.39, -16.08, -15.00
CIELCh	73, 21.989, 223.023
Yxy	45.7675, 0.2554, 0.3053
Android (android.graphics.Color)	4286496463 (0xFF7EBECF)
YUV	172.8020, 16.8596, -41.0454
Hunter-Lab	67.6517, -17.3878, -10.3530

Details

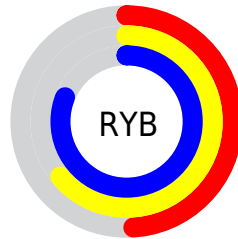
The XYZ color **38.2801, 45.7675, 65.8479** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3213, 34.4174, 24.3106**, and the grayscale version is **39.5536, 41.6134, 45.3170**.

A 20% lighter version of the original color is **70.2972, 83.0766, 106.9381**, and **17.3679, 21.5689, 33.3848** is the 20% darker color. If you saturate the color by 10%, you get **34.6112, 42.5011, 65.4116**, and if you desaturate by 10%, it is **42.6114, 49.4191, 66.3252**.

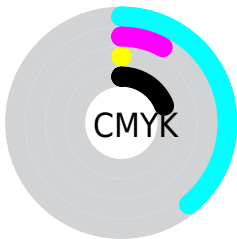
Distribution



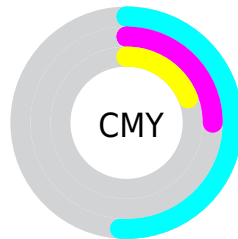
- Red (49%)
- Green (75%)
- Blue (81%)



- Red (49%)
- Yellow (64%)
- Blue (81%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2801, 45.7675, 65.8479 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 38.2801, 45.7675, 65.8479 by changing the saturation by 10% instead.

■ 38.2801, 45.7675,
65.8479

■ 38.2801, 45.7675,
65.8479

330.0801,
369.8731, 464.2221

■ 26.3784, 32.0624,
47.6932

■ 71.8384, 83.8709,
114.8929

■ 17.2411, 21.4092,
33.2258

■ 94.2256, 109.0380,
146.6204

■ 10.5029, 13.4234,
22.0269

■ 120.8388,
138.7946, 183.7091

■ 5.7984, 7.7208,
13.6782

152.0432,
173.5250, 226.5778

■ 2.7624, 3.9168,
7.7610

188.2041,
213.6137, 275.6449

■ 1.0294, 1.6271,
3.8568

229.6870,

■ 0.0000, 0.3758,

259.4450, 331.3289

1.5471

276.8572,
311.4034, 394.0485

■ 0.0000, 0.0000,
0.2527

■ 0.0000, 0.0000,
0.0000

■ 38.2801, 45.7675,
65.8479

■ 38.2801, 45.7675,
65.8479

■ 34.6112, 42.5011,
65.4116

■ 42.6114, 49.4191,
66.3252

■ 31.5611, 39.5939,
65.0112

■ 47.6369, 53.4696,
66.8422

■ 29.0871, 37.0247,
64.6457

■ 53.3916, 57.9382,
67.4014

■ 27.1396, 34.7674,
64.3126

■ 59.9066, 62.8416,
68.0045

■ 25.6596, 32.7913,
64.0092

■ 67.2113, 68.1950,
68.6528

■ 24.5497, 31.0458,
63.7308

■ 75.3334, 74.0132,
69.3477

■ 24.4596, 30.8990,
63.7072

■ 78.2040, 77.1678,
69.8053

■ 79.3619, 79.4835,
70.1913

■ 80.5496, 81.8589,
70.5872

Harmonies

Analogous

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



36.6408, 45.7675, 54.7956



38.2801, 45.7675, 65.8479



41.3622, 45.7675, 73.1421

Triad

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



38.2801, 45.7675, 65.8479



51.0192, 45.7675, 56.3235



41.8439, 45.7675, 31.8077

Complementary

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



38.2801, 45.7675, 65.8479



39.3213, 34.4174, 24.3106

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.



45.7115, 45.7675, 32.0908



38.2801, 45.7675, 65.8479



51.1672, 45.7675, 45.1795

Square

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



38.2801, 45.7675, 65.8479



48.7823, 45.7675, 67.1086



49.1755, 45.7675, 36.6512



38.6146, 45.7675, 35.8101

Rectangle

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



38.2801, 45.7675, 65.8479



43.8946, 45.7675, 74.3103



49.1755, 45.7675, 36.6512



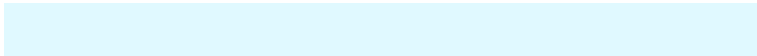
43.1090, 45.7675, 31.4245

Sweetspot

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



38.2815, 45.7693, 65.8490



82.6601, 90.6223, 107.7429



35.8156, 51.0212, 33.6316



17.4273, 19.1917, 23.0358



0.0000, 0.0000, 0.0000



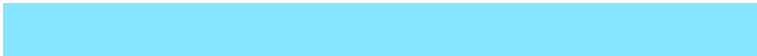
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2815, 45.7693, 65.8490



56.3206, 68.8928, 104.9370



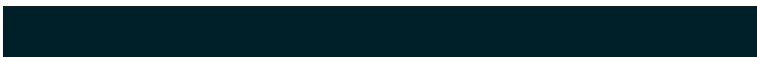
30.8221, 30.8504, 63.3625



11.9390, 12.9683, 15.1175



15.4808, 19.6082, 40.1613



0.9197, 1.2046, 2.2636

Inverse Universe

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



42.4884, 31.9060, 52.6362



64.1866, 44.3345, 79.9260



46.3706, 48.5161, 26.6604



12.2001, 11.9648, 14.3295



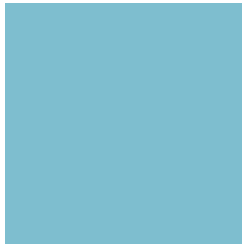
20.4447, 10.0507, 23.0459



1.1705, 0.5729, 1.4324

Previews

White Background



This preview shows how the XYZ color 38.2801, 45.7675, 65.8479 looks on a white background.

Color Contrast Check

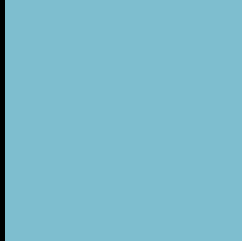
Large Text (above 18pt) WCAG AA × Fail

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 38.2801, 45.7675, 65.8479 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 38.2801, 45.7675, 65.8479

Background



This preview shows how black text looks on a background with the XYZ color 38.2801, 45.7675, 65.8479.



This preview shows how white text looks on a background with the XYZ color 38.2801, 45.7675,

65.8479.

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

38.2801, 45.7675, 65.8479

Protanopia

44.3607, 45.3114, 60.4408

Deuteranopia

46.2542, 45.2582, 67.2706



Tritanopia

38.1582, 45.7188, 65.2060

Trichromacy



Original Color

38.2801, 45.7675, 65.8479

Protanomaly

41.4892, 44.9893, 62.3742

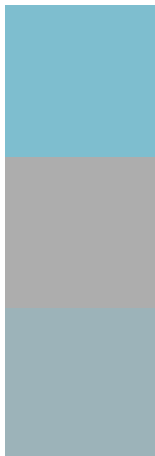
Deuteranomaly

42.7302, 44.9273, 66.7413

Tritanomaly

38.1582, 45.7188, 65.2060

Monochromacy



Original Color

38.2801, 45.7675, 65.8479

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5874, 42.8109, 52.1285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2801, 45.7675, 65.8479 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, 190, 207)` looks like.

```
.text, #text, p{  
    color:rgb(126, 190, 207)  
}
```

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, 190, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 190, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.2801, 45.7675, 65.8479 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, 190, 207) }
```


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

```
.border{ border-color:rgb(126, 190, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 190, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 190, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 190, 207);  
box-shadow:4px 4px 4px 4px rgb(126, 190,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2801, 45.7675, 65.8479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 190, 207) }
```

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

```
.background{ background-color: rgb(126,  
190, 207) }
```

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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