

Converting Colors

XYZ(38.0087, 42.4382, 65.2196)

Have a look what the booklet for
XYZ(38.0087, 42.4382, 65.2196)
contains.

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Color

**XYZ(38.0650, 42.5508,
65.2384)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB4CF
RGB	138, 180, 207
RGB Percent	54%, 71%, 81%
CMY	0.4588, 0.2941, 0.1882
CMYK	0.33, 0.13, 0.00, 0.19
HSL	203°, 42%, 68%
HSV	203°, 33%, 81%
XYZ	38.0650, 42.5508, 65.2384
YIQ	170.5200, -33.6990, -0.5070

Conversions

Conversions Part 2

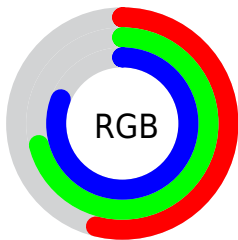
Format	Color
R_{YB}	138, 164, 207
Decimal	9090255
CIE _{Lab}	71.25, -7.52, -18.18
CIE _{LCh}	71, 19.673, 247.523
Yxy	42.5508, 0.2610, 0.2917
Android (android.graphics.Color)	4287280335 (0xFF8AB4CF)
YUV	170.5200, 17.9846, -28.5200
Hunter-Lab	65.2310, -9.9920, -13.6351

Details

The XYZ color **38.0650, 42.5508, 65.2384** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **43.7754, 42.0113, 29.8477**, and the grayscale version is **38.3942, 40.3936, 43.9887**.

A 20% lighter version of the original color is **70.0378, 78.5484, 106.0777**, and **17.0855, 19.4099, 32.9830** is the 20% darker color. If you saturate the color by 10%, you get **33.3737, 37.7764, 64.5648**, and if you desaturate by 10%, it is **43.5072, 47.8561, 65.9763**.

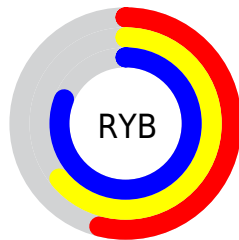
Distribution



Red (54%)

Green (71%)

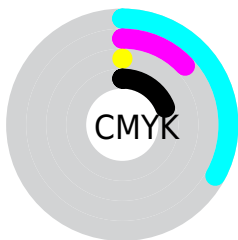
Blue (81%)



Red (54%)

Yellow (64%)

Blue (81%)

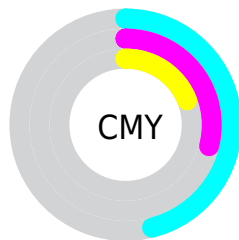


Cyan (33%)

Magenta (13%)

Yellow (0%)

Black (19%)



Cyan (46%)

Magenta (29%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0650, 42.5508, 65.2384 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 38.0650, 42.5508, 65.2384 by changing the saturation by 10% instead.

■ 38.0650, 42.5508,
65.2384

■ 38.0650, 42.5508,
65.2384

329.1748,
356.7612, 461.9778

■ 26.2106, 29.5328,
47.2018

■ 71.5110, 79.0326,
114.0091

■ 17.1148, 19.4843,
32.8398

■ 93.8333, 103.2651,
145.5803

■ 10.4122, 12.0207,
21.7336

■ 120.3756,
132.0047, 182.5002

■ 5.7374, 6.7578,
13.4648

151.5033,
165.6356, 225.1872

■ 2.7252, 3.3111,
7.6149

187.5817,
204.5424, 274.0599

■ 1.0102, 1.2962,
3.7653

228.9762,

■ 0.0000, 0.1383,

249.1093, 329.5369

1.4975

276.0521,
299.7207, 392.0367

■ 0.0000, 0.0000,
0.2161

■ 0.0000, 0.0000,
0.0000

■ 38.0650, 42.5508,
65.2384

■ 38.0650, 42.5508,
65.2384

■ 33.3737, 37.7764,
64.5648

■ 43.5072, 47.8561,
65.9763

■ 29.3906, 33.5055,
63.9504

■ 49.7321, 53.7082,
66.7778

■ 26.0743, 29.7154,
63.3936

■ 56.7745, 60.1282,
67.6458

■ 23.3773, 26.3791,
62.8918

■ 64.6657, 67.1345,
68.5823

■ 21.2450, 23.4656,
62.4418

■ 73.4355, 74.7447,
69.5889

■ 19.6116, 20.9386,
62.0402

■ 80.4117, 81.5832,
70.5412

■ 18.7241, 19.4280,
61.7954

■ 82.7002, 86.1603,
71.3041

■ 85.0947, 90.9491,
72.1022

■ 87.5963, 95.9525,
72.9361

Harmonies

Analogous

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



35.6154, 42.5508, 58.3073



38.0650, 42.5508, 65.2384



41.2800, 42.5508, 66.7886

Triad

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



38.0650, 42.5508, 65.2384



47.0675, 42.5508, 43.9911



36.6993, 42.5508, 33.3578

Complementary

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



38.0650, 42.5508, 65.2384



43.7754, 42.0113, 29.8477

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.



39.6179, 42.5508, 30.5454



38.0650, 42.5508, 65.2384



45.6888, 42.5508, 36.1176

Square

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



38.0650, 42.5508, 65.2384



46.5961, 42.5508, 53.6330



42.9186, 42.5508, 31.4822



34.8574, 42.5508, 39.7230

Rectangle

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



38.0650, 42.5508, 65.2384



43.4477, 42.5508, 64.3923



42.9186, 42.5508, 31.4822



37.5806, 42.5508, 32.0080

Sweetspot

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



38.0663, 42.5525, 65.2394



83.1820, 89.2787, 107.4561



39.5367, 52.7265, 43.4300



17.4709, 18.8031, 22.9585



0.0000, 0.0000, 0.0000



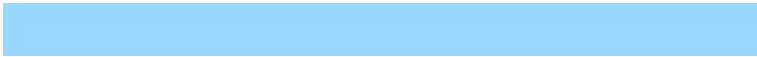
20.3446, 21.4041, 23.3091

Same Dimension

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



38.0663, 42.5525, 65.2394



55.5100, 62.6385, 103.7725



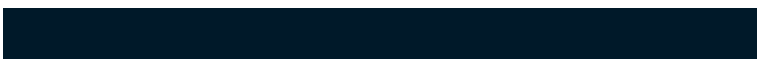
32.0314, 30.4827, 63.2278



11.7539, 12.5981, 15.0558



11.8913, 12.4292, 38.9648



0.7409, 0.8470, 2.2040

Inverse Universe

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



43.0600, 34.7389, 47.6176



64.9084, 48.9533, 70.3779



50.7324, 55.9251, 32.1667



12.1067, 11.9274, 13.8376



18.6329, 9.3260, 13.5049



1.0802, 0.5368, 0.9571

Previews

White Background



This preview shows how the XYZ color 38.0650, 42.5508, 65.2384 looks on a white background.

Color Contrast Check

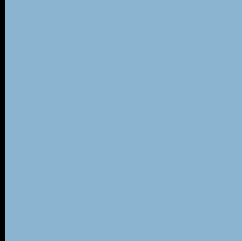
Large Text (above 18pt) WCAG AA × Fail

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 38.0650, 42.5508, 65.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

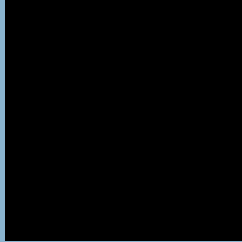
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0650, 42.5508, 65.2384

Background



This preview shows how black text looks on a background with the XYZ color 38.0650, 42.5508, 65.2384.



This preview shows how white text looks on a background with the XYZ color 38.0650, 42.5508,

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

38.0650, 42.5508, 65.2384

Protanopia

41.7527, 42.4762, 61.8752

Deuteranopia

43.1169, 42.2371, 66.2017



Tritanopia

36.6834, 42.5923, 58.5123

Trichromacy



Original Color

38.0650, 42.5508, 65.2384

Protanomaly

40.3290, 42.5784, 63.2196

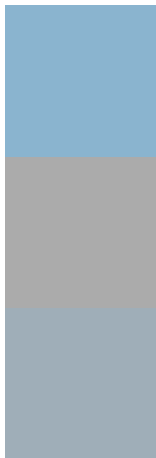
Deuteranomaly

41.0184, 42.2998, 65.6773

Tritanomaly

37.1025, 42.4521, 60.8821

Monochromacy



Original Color

38.0650, 42.5508, 65.2384

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0859, 41.1037, 51.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0650, 42.5508, 65.2384 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, 180, 207)` looks like.

```
.text, #text, p{  
    color:rgb(138, 180, 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(138, 180, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 180, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.0650, 42.5508, 65.2384 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, 180, 207) }
```


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

```
.border{ border-color:rgb(138, 180, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 180, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 180, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 180, 207);  
box-shadow:4px 4px 4px 4px rgb(138, 180,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0650, 42.5508, 65.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 180, 207) }
```

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

```
.background{ background-color: rgb(138,  
180, 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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