

Converting Colors

XYZ(38.6259, 42.1188, 68.3825)

Have a look what the booklet for
XYZ(38.6259, 42.1188, 68.3825)
contains.

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Color

**XYZ(38.6193, 42.1697,
68.3915)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB2D4
RGB	140, 178, 212
RGB Percent	55%, 70%, 83%
CMY	0.4510, 0.3019, 0.1686
CMYK	0.34, 0.16, 0.00, 0.17
HSL	208°, 46%, 69%
HSV	208°, 34%, 83%
XYZ	38.6193, 42.1697, 68.3915
YIQ	170.5140, -33.5620, 2.5180

Conversions

Conversions Part 2

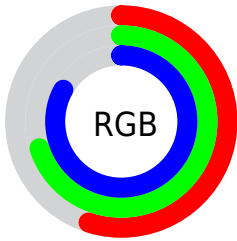
Format	Color
RYB	140, 165, 212
Decimal	9220820
CIELab	70.99, -4.61, -21.30
CIELCh	71, 21.797, 257.777
Yxy	42.1697, 0.2589, 0.2827
Android (android.graphics.Color)	4287410900 (0xFF8CB2D4)
YUV	170.5140, 20.4526, -26.7608
Hunter-Lab	64.9382, -7.4864, -16.9862

Details

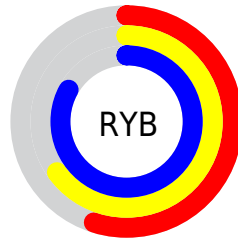
The XYZ color **38.6193, 42.1697, 68.3915** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.0219, 46.1634, 31.2443**, and the grayscale version is **38.3792, 40.3779, 43.9715**.

A 20% lighter version of the original color is **69.9785, 77.6677, 105.9109**, and **17.3499, 19.1278, 34.6759** is the 20% darker color. If you saturate the color by 10%, you get **33.4658, 36.6640, 67.6011**, and if you desaturate by 10%, it is **44.6090, 48.3242, 69.2645**.

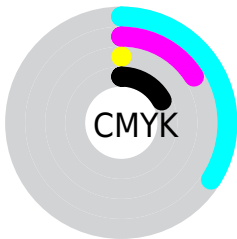
Distribution



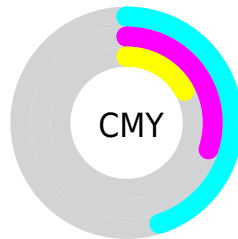
- Red (55%)
- Green (70%)
- Blue (83%)



- Red (55%)
- Yellow (65%)
- Blue (83%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (45%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6193, 42.1697, 68.3915 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 38.6193, 42.1697, 68.3915 by changing the saturation by 10% instead.

■ 38.6193, 42.1697,
68.3915

■ 38.6193, 42.1697,
68.3915

331.5043,
355.1859, 473.5175

■ 26.6431, 29.2342,
49.7476

■ 72.3542, 78.4564,
118.5715

■ 17.4406, 19.2581,
34.8431

■ 94.8435, 102.5764,
150.9448

■ 10.6463, 11.8569,
23.2595

■ 121.5680,
131.1933, 188.7316

■ 5.8951, 6.6463,
14.5781

152.8929,
164.6916, 232.3505

■ 2.8214, 3.2419,
8.3805

189.1837,
203.4556, 282.2199

■ 1.0601, 1.2593,
4.2481

230.8056,

■ 0.0000, 0.1094,

247.8697, 338.7586

1.7624

278.1240,
298.3184, 402.3850

■ 0.0000, 0.0000,
0.4030

■ 0.0000, 0.0000,
0.0000

■ 38.6193, 42.1697,
68.3915

■ 38.6193, 42.1697,
68.3915

■ 33.4658, 36.6640,
67.6011

■ 44.6090, 48.3242,
69.2645

■ 29.1018, 31.7756,
66.8876

■ 51.4705, 55.1474,
70.2199

■ 25.4817, 27.4772,
66.2487

■ 59.2418, 62.6642,
71.2611

■ 22.5532, 23.7369,
65.6811

■ 67.9575, 70.8966,
72.3908

■ 20.2561, 20.5187,
65.1810

■ 77.6505, 79.8655,
73.6111

■ 18.5180, 17.7799,
64.7440

■ 83.7183, 87.2024,
74.7074

■ 17.6661, 16.3182,
64.5067

■ 86.7156, 93.1971,
75.7066

■ 88.8838, 97.5335,
76.4293

Harmonies

Analogous

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



35.5647, 42.1697, 62.3933



38.6193, 42.1697, 68.3915



42.2533, 42.1697, 67.7387

Triad

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



38.6193, 42.1697, 68.3915



47.1126, 42.1697, 40.0706



35.1243, 42.1697, 33.7337

Complementary

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



38.6193, 42.1697, 68.3915



47.0219, 46.1634, 31.2443

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.



37.9845, 42.1697, 29.3690



38.6193, 42.1697, 68.3915



44.9644, 42.1697, 32.6290

Square

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



38.6193, 42.1697, 68.3915



47.3082, 42.1697, 50.2856



41.5792, 42.1697, 28.9978



33.6302, 42.1697, 41.8065

Rectangle

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



38.6193, 42.1697, 68.3915



44.5174, 42.1697, 63.6258



41.5792, 42.1697, 28.9978



35.9496, 42.1697, 31.8406

Sweetspot

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



38.6206, 42.1714, 68.3925



82.5611, 88.0369, 107.2491



41.9608, 55.7038, 48.3818



17.3206, 18.5025, 22.9084



0.0000, 0.0000, 0.0000



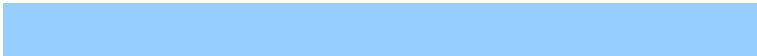
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6206, 42.1714, 68.3925



52.6932, 57.7118, 102.9700



32.4327, 29.7955, 66.3298



12.2797, 13.0828, 15.8155



11.0072, 10.2762, 39.8565



0.7465, 0.7850, 2.4315

Inverse Universe

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



44.5665, 35.9689, 46.7150



63.3140, 47.6549, 64.0189



54.8338, 61.7873, 33.8483



12.6944, 12.5292, 14.3308



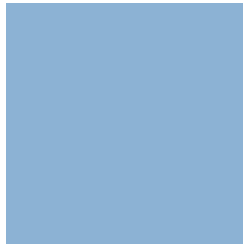
18.6148, 9.3822, 10.5414



1.1645, 0.5826, 0.8554

Previews

White Background



This preview shows how the XYZ color 38.6193, 42.1697, 68.3915 looks on a white background.

Color Contrast Check

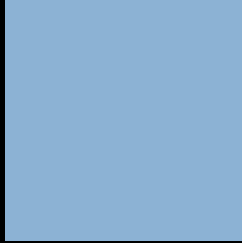
Large Text (above 18pt) WCAG AA × Fail

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 38.6193, 42.1697, 68.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

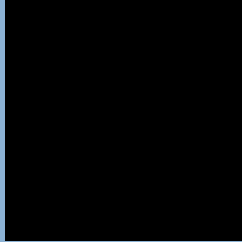
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6193, 42.1697, 68.3915

Background



This preview shows how black text looks on a background with the XYZ color 38.6193, 42.1697, 68.3915.

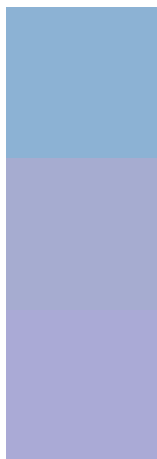


This preview shows how white text looks on a background with the XYZ color 38.6193, 42.1697,

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

38.6193, 42.1697, 68.3915

Protanopia

41.8636, 42.1661, 65.6069

Deuteranopia

43.0899, 42.1505, 69.4831



Tritanopia

36.5275, 42.2221, 57.8542

Trichromacy



Original Color

38.6193, 42.1697, 68.3915

Protanomaly

40.5493, 42.0437, 66.2997

Deuteranomaly

41.2519, 42.0622, 68.8954

Tritanomaly

37.1804, 42.1779, 61.4399

Monochromacy



Original Color

38.6193, 42.1697, 68.3915

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.4962, 41.2909, 52.3953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6193, 42.1697, 68.3915 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(140, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(140, 178, 212)  
}
```

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(140, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 178, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.6193, 42.1697, 68.3915 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(140, 178, 212) }
```


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

```
.border{ border-color:rgb(140, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(140, 178,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6193, 42.1697, 68.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 178, 212) }
```

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

```
.background{ background-color: rgb(140,  
178, 212) }
```

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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