

Converting Colors

XYZ(38.3599, 42.6189, 64.9479)

Have a look what the booklet for
XYZ(38.3599, 42.6189, 64.9479)
contains.

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Color

**XYZ(38.3990, 42.7230,
65.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB4CF
RGB	140, 180, 207
RGB Percent	55%, 71%, 81%
CMY	0.4510, 0.2941, 0.1882
CMYK	0.32, 0.13, 0.00, 0.19
HSL	204°, 41%, 68%
HSV	204°, 32%, 81%
XYZ	38.3990, 42.7230, 65.2540
YIQ	171.1180, -32.5070, -0.0830

Conversions

Conversions Part 2

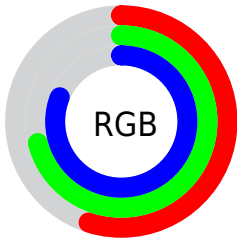
Format	Color
RYB	140, 165, 207
Decimal	9221327
CIELab	71.37, -6.95, -17.99
CIELCh	71, 19.286, 248.868
Yxy	42.7230, 0.2623, 0.2919
Android (android.graphics.Color)	4287411407 (0xFF8CB4CF)
YUV	171.1180, 17.6898, -27.2905
Hunter-Lab	65.3628, -9.5208, -13.4373

Details

The XYZ color **38.3990, 42.7230, 65.2540** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.2852, 42.7968, 30.7387**, and the grayscale version is **38.6947, 40.7098, 44.3330**.

A 20% lighter version of the original color is **70.5511, 78.8130, 106.1017**, and **17.2696, 19.5049, 32.9916** is the 20% darker color. If you saturate the color by 10%, you get **33.6003, 37.8250, 64.5623**, and if you desaturate by 10%, it is **43.9578, 48.1653, 66.0122**.

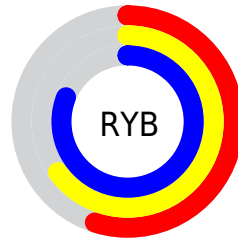
Distribution



Red (55%)

Green (71%)

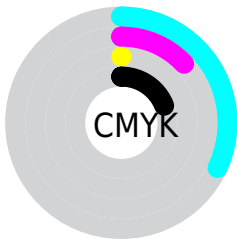
Blue (81%)



Red (55%)

Yellow (65%)

Blue (81%)

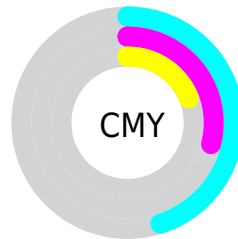


Cyan (32%)

Magenta (13%)

Yellow (0%)

Black (19%)



Cyan (45%)

Magenta (29%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3990, 42.7230, 65.2540 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 38.3990, 42.7230, 65.2540 by changing the saturation by 10% instead.

■ 38.3990, 42.7230,
65.2540

■ 38.3990, 42.7230,
65.2540

330.5798,
357.4714, 462.0353

■ 26.4711, 29.6678,
47.2144

■ 72.0193, 79.2927,
114.0317

■ 17.3110, 19.5866,
32.8496

■ 94.4423, 103.5760,
145.6069

■ 10.5531, 12.0949,
21.7411

■ 121.0946,
132.3708, 182.5311

■ 5.8323, 6.8083,
13.4703

152.3412,
166.0616, 225.2228

■ 2.7830, 3.3425,
7.6187

188.5478,
205.0326, 274.1005

■ 1.0401, 1.3131,
3.7677

230.0795,

■ 0.0000, 0.1513,

249.6683, 329.5828

1.4988

277.3017,
300.3531, 392.0883

■ 0.0000, 0.0000,
0.2170

■ 0.0000, 0.0000,
0.0000

■ 38.3990, 42.7230,
65.2540

■ 38.3990, 42.7230,
65.2540

■ 33.6003, 37.8250,
64.5623

■ 43.9578, 48.1653,
66.0122

■ 29.5191, 33.4438,
63.9317

■ 50.3085, 54.1678,
66.8361

■ 26.1145, 29.5565,
63.3608

■ 57.4857, 60.7519,
67.7287

■ 23.3391, 26.1359,
62.8468

■ 65.5207, 67.9362,
68.6919

■ 21.1389, 23.1514,
62.3867

■ 74.4433, 75.7383,
69.7276

■ 19.4496, 20.5668,
61.9769

■ 80.8138, 82.3875,
70.6752

■ 18.4187, 18.8172,
61.6935

■ 83.1917, 87.1433,
71.4679

■ 85.6822, 92.1243,
72.2980

■ 88.2626, 97.2850,
73.1582

Harmonies

Analogous

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



35.9405, 42.7230, 58.6558



38.3990, 42.7230, 65.2540



41.5764, 42.7230, 66.4998

Triad

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



38.3990, 42.7230, 65.2540



47.0885, 42.7230, 43.8175



36.8163, 42.7230, 33.9471

Complementary

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



38.3990, 42.7230, 65.2540



44.2852, 42.7968, 30.7387

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.



39.6527, 42.7230, 31.0030



38.3990, 42.7230, 65.2540



45.6608, 42.7230, 36.1822

Square

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



38.3990, 42.7230, 65.2540



46.7087, 42.7230, 53.2615



42.8979, 42.7230, 31.7629



35.0611, 42.7230, 40.3693

Rectangle

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



38.3990, 42.7230, 65.2540



43.6942, 42.7230, 63.9855



42.8979, 42.7230, 31.7629



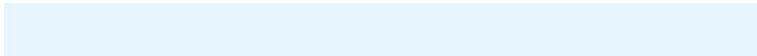
37.6686, 42.7230, 32.5596

Sweetspot

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



38.4003, 42.7247, 65.2550



83.0920, 89.0986, 107.4261



40.0856, 52.9846, 44.5778



17.4491, 18.7595, 22.9512



0.0000, 0.0000, 0.0000



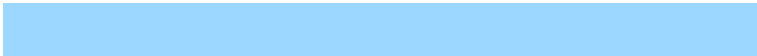
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4003, 42.7247, 65.2550



55.9548, 62.8060, 103.7814



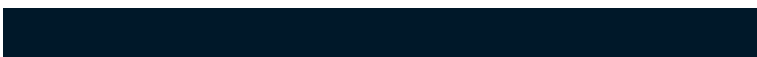
32.4660, 30.8559, 63.2769



11.7421, 12.5745, 15.0519



11.6994, 12.0453, 38.9008



0.7308, 0.8269, 2.2007

Inverse Universe

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



43.3496, 35.3181, 47.7142



65.3092, 49.7886, 70.4077



51.1904, 56.6074, 33.0405



12.1007, 11.9250, 13.8063



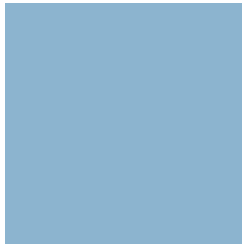
18.5360, 9.2872, 12.9948



1.0751, 0.5348, 0.9304

Previews

White Background



This preview shows how the XYZ color 38.3990, 42.7230, 65.2540 looks on a white background.

Color Contrast Check

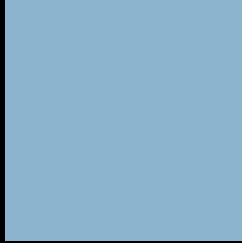
Large Text (above 18pt) WCAG AA × Fail

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 38.3990, 42.7230, 65.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

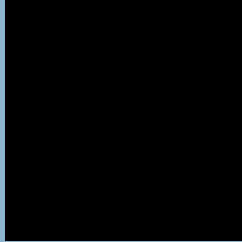
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

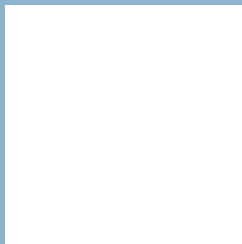
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3990, 42.7230, 65.2540

Background



This preview shows how black text looks on a background with the XYZ color 38.3990, 42.7230, 65.2540.



This preview shows how white text looks on a background with the XYZ color 38.3990, 42.7230,

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

38.3990, 42.7230, 65.2540

Protanopia

41.9664, 42.5864, 61.8852

Deuteranopia

43.3389, 42.3516, 66.2121



Tritanopia

37.1730, 42.8447, 58.5352

Trichromacy



Original Color

38.3990, 42.7230, 65.2540

Protanomaly

40.5250, 42.6794, 63.2288

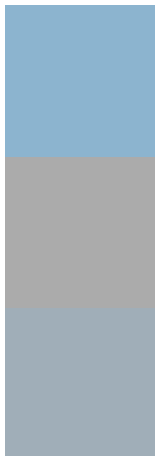
Deuteranomaly

41.4215, 42.5076, 65.6961

Tritanomaly

37.5967, 42.7068, 60.9053

Monochromacy



Original Color

38.3990, 42.7230, 65.2540

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.2850, 41.2064, 51.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3990, 42.7230, 65.2540 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, 180, 207)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 180, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 180, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.3990, 42.7230, 65.2540 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, 180, 207) }
```


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

```
.border{ border-color:rgb(140, 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(140, 180, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 180, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 180, 207);  
box-shadow:4px 4px 4px 4px rgb(140, 180,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3990, 42.7230, 65.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 180, 207) }
```

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

```
.background{ background-color: rgb(140,  
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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