

Converting Colors

XYZ(42.2238, 44.4451, 90.3577)

Have a look what the booklet for
XYZ(42.2238, 44.4451, 90.3577)
contains.

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Color

**XYZ(42.2238, 44.4451,
90.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	85B5F2
RGB	133, 181, 242
RGB Percent	52%, 71%, 95%
CMY	0.4784, 0.2902, 0.0510
CMYK	0.45, 0.25, 0.00, 0.05
HSL	214°, 81%, 74%
HSV	214°, 45%, 95%
XYZ	42.2238, 44.4451, 90.3577
YIQ	173.6020, -48.1890, 8.7950

Conversions

Conversions Part 2

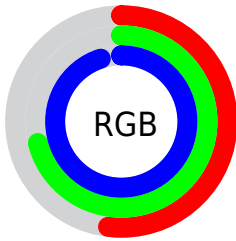
Format	Color
RYB	133, 166, 242
Decimal	8762866
CIELab	72.53, -0.06, -35.32
CIElCh	73, 35.316, 269.903
Yxy	44.4451, 0.2385, 0.2511
Android (android.graphics.Color)	4286952946 (0xFF85B5F2)
YUV	173.6020, 33.7202, -35.6080
Hunter-Lab	66.6672, -3.6141, -33.6920

Details

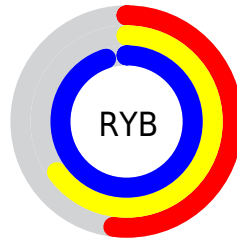
The XYZ color **42.2238, 44.4451, 90.3577** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.1449, 59.1561, 30.4405**, and the grayscale version is **39.8799, 41.9568, 45.6909**.

A 20% lighter version of the original color is **69.5694, 78.7355, 106.1385**, and **19.5626, 20.5200, 49.3841** is the 20% darker color. If you saturate the color by 10%, you get **36.2130, 37.4559, 89.3263**, and if you desaturate by 10%, it is **49.3855, 52.4268, 91.5217**.

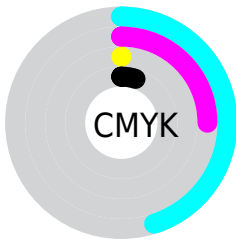
Distribution



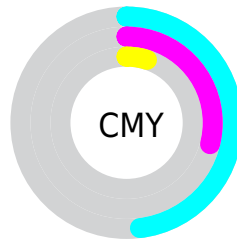
- Red (52%)
- Green (71%)
- Blue (95%)



- Red (52%)
- Yellow (65%)
- Blue (95%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2238, 44.4451, 90.3577 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 42.2238, 44.4451, 90.3577 by changing the saturation by 10% instead.

■ 42.2238, 44.4451,
90.3577

■ 42.2238, 44.4451,
90.3577

346.3857,
364.5215, 549.7938

■ 29.4684, 31.0206,
67.7020

■ 77.8013, 81.8871,
149.7750

■ 19.5815, 20.6145,
49.1901

■ 101.3541,
106.6734, 187.3737

■ 12.1977, 12.8425,
34.4037

■ 129.2368,
136.0157, 230.7904

■ 6.9516, 7.3202,
22.9240

161.8147,
170.2984, 280.4437

■ 3.4779, 3.6631,
14.3326

199.4532,
209.9059, 336.7522

■ 1.4113, 1.4870,
8.2110

242.5176,

■ 0.2642, 0.2795,

255.2227, 400.1343

4.1406

291.3733,
306.6331, 471.0087

■ 0.0000, 0.0000,
1.7028

■ 0.0000, 0.0000,
0.3626

■ 42.2238, 44.4451,
90.3577

■ 42.2238, 44.4451,
90.3577

■ 36.2130, 37.4559,
89.3263

■ 49.3855, 52.4268,
91.5217

■ 31.2795, 31.4073,
88.4188

■ 57.7561, 61.4391,
92.8201

■ 27.3479, 26.2495,
87.6305

■ 67.3952, 71.5240,
94.2586

■ 24.3293, 21.9244,
86.9547

■ 78.3567, 82.7193,
95.8418

■ 22.1160, 18.3633,
86.3840

■ 90.6913, 95.0608,
97.5738

■ 21.2399, 16.8364,
86.1355

■ 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



36.6305, 44.4451, 83.6628



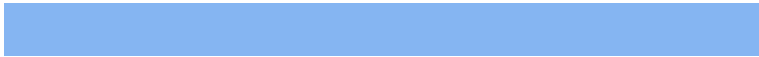
42.2238, 44.4451, 90.3577



48.3652, 44.4451, 83.7450

Triad

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



42.2238, 44.4451, 90.3577



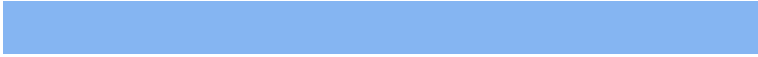
53.2493, 44.4451, 33.5039



32.8866, 44.4451, 33.4266

Complementary

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



42.2238, 44.4451, 90.3577



60.1449, 59.1561, 30.4405

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.



36.6619, 44.4451, 24.7233



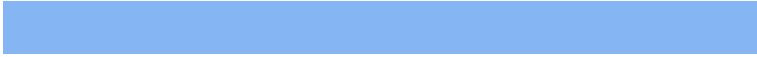
42.2238, 44.4451, 90.3577



48.4030, 44.4451, 24.7598

Square

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



42.2238, 44.4451, 90.3577



55.0923, 44.4451, 48.4503



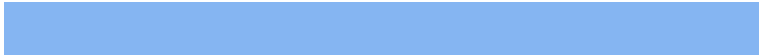
42.2637, 44.4451, 21.9741



31.5664, 44.4451, 48.3361

Rectangle

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



42.2238, 44.4451, 90.3577



51.8664, 44.4451, 73.4143



42.2637, 44.4451, 21.9741



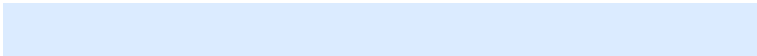
33.8915, 44.4451, 29.8211

Sweetspot

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



42.2253, 44.4468, 90.3588



77.0681, 81.7553, 106.3262



51.0465, 72.3400, 61.6971



15.9595, 16.9448, 22.6795



0.0000, 0.0000, 0.0000



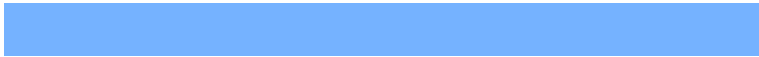
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2253, 44.4468, 90.3588



41.3345, 42.8388, 100.6979



34.9721, 28.6296, 87.6880



15.4701, 16.3742, 20.0668



11.5412, 9.3066, 46.3159



1.0576, 0.9692, 3.8855

Inverse Universe

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



53.3473, 38.9902, 48.4318



55.6659, 37.2645, 46.3456



70.7618, 83.1258, 34.5076



16.0620, 15.8745, 17.8825



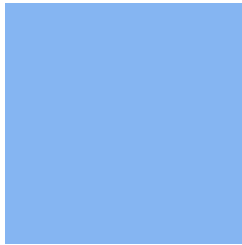
21.1511, 10.7329, 8.7121



1.8088, 0.9126, 0.9839

Previews

White Background



This preview shows how the XYZ color 42.2238, 44.4451, 90.3577 looks on a white background.

Color Contrast Check

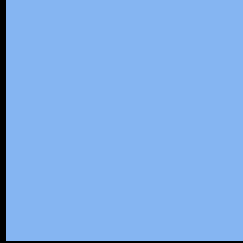
Large Text (above 18pt) WCAG AA × Fail

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 42.2238, 44.4451, 90.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

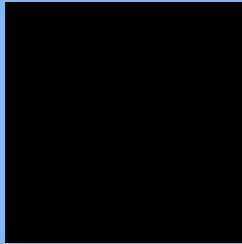
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

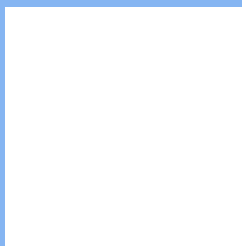
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2238, 44.4451, 90.3577

Background



This preview shows how black text looks on a background with the XYZ color 42.2238, 44.4451, 90.3577.



This preview shows how white text looks on a background with the XYZ color 42.2238, 44.4451,

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

42.2238, 44.4451, 90.3577

Protanopia

45.1132, 44.2480, 86.2837

Deuteranopia

45.4123, 44.2991, 90.9511



Tritanopia

36.7888, 44.4158, 63.1340

Trichromacy



Original Color

42.2238, 44.4451, 90.3577

Protanomaly

43.8798, 44.1603, 87.8724

Deuteranomaly

44.1125, 44.2112, 91.0027

Tritanomaly

38.4775, 44.1433, 72.1382

Monochromacy



Original Color

42.2238, 44.4451, 90.3577

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.3290, 42.9387, 60.1953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2238, 44.4451, 90.3577 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(133, 181, 242)` looks like.

```
.text, #text, p{  
    color:rgb(133, 181, 242)  
}
```

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(133, 181, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 181, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.2238, 44.4451, 90.3577 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(133, 181, 242) }
```


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

```
.border{ border-color:rgb(133, 181, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 181, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 181, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 181, 242);  
box-shadow:4px 4px 4px 4px rgb(133, 181,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2238, 44.4451, 90.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 181, 242) }
```

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

```
.background{ background-color: rgb(133,  
181, 242) }
```

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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