

Converting Colors

XYZ(41.8225, 44.5805, 87.1831)

Have a look what the booklet for
XYZ(41.8225, 44.5805, 87.1831)
contains.

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Color

**XYZ(41.8334, 44.6155,
87.2957)**

Conversions

Conversions Part 1

Format	Color
Hex	85B6EE
RGB	133, 182, 238
RGB Percent	52%, 71%, 93%
CMY	0.4784, 0.2863, 0.0667
CMYK	0.44, 0.24, 0.00, 0.07
HSL	212°, 76%, 73%
HSV	212°, 44%, 93%
XYZ	41.8334, 44.6155, 87.2957
YIQ	173.7330, -47.1800, 7.0280

Conversions

Conversions Part 2

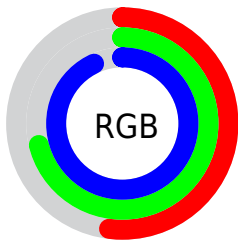
Format	Color
RYB	133, 166, 238
Decimal	8763118
CIELab	72.64, -1.73, -32.97
CIElCh	73, 33.019, 267.003
Yxy	44.6155, 0.2408, 0.2568
Android (android.graphics.Color)	4286953198 (0xFF85B6EE)
YUV	173.7330, 31.6836, -35.7228
Hunter-Lab	66.7948, -5.0970, -30.7311

Details

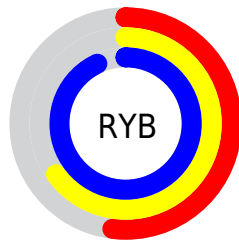
The XYZ color **41.8334, 44.6155, 87.2957** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.6923, 56.2671, 30.0118**, and the grayscale version is **39.9565, 42.0374, 45.7787**.

A 20% lighter version of the original color is **69.8597, 79.3162, 106.2353**, and **19.3543, 20.6557, 47.2228** is the 20% darker color. If you saturate the color by 10%, you get **36.0103, 37.9286, 86.3127**, and if you desaturate by 10%, it is **48.7464, 52.2159, 88.3992**.

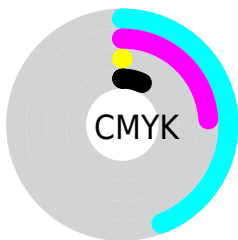
Distribution



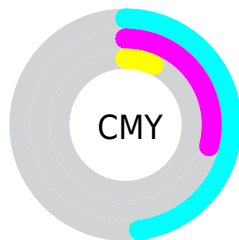
- Red (52%)
- Green (71%)
- Blue (93%)



- Red (52%)
- Yellow (65%)
- Blue (93%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8334, 44.6155, 87.2957 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 41.8334, 44.6155, 87.2957 by changing the saturation by 10% instead.

■ 41.8334, 44.6155,
87.2957

■ 41.8334, 44.6155,
87.2957

344.7952,
365.2141, 539.5355

■ 29.1614, 31.1547,
65.1789

■ 77.2142, 82.1431,
145.4787

■ 19.3478, 20.7167,
47.1539

■ 100.6536,
106.9787, 182.3821

■ 12.0274, 12.9170,
32.8021

■ 128.4130,
136.3747, 225.0513

■ 6.8347, 7.3715,
21.7050

160.8576,
170.7154, 273.9050

■ 3.4043, 3.6955,
13.4441

198.3527,
210.3854, 329.3618

■ 1.3710, 1.5047,
7.6007

241.2638,

■ 0.2354, 0.2920,

255.7688, 391.8401

3.7565

289.9562,
307.2503, 461.7584

■ 0.0000, 0.0000,
1.4927

■ 0.0000, 0.0000,
0.2125

■ 41.8334, 44.6155,
87.2957

■ 41.8334, 44.6155,
87.2957

■ 36.0103, 37.9286,
86.3127

■ 48.7464, 52.2159,
88.3992

■ 31.2081, 32.1077,
85.4423

■ 56.8036, 60.7639,
89.6245

■ 27.3562, 27.1077,
84.6802

■ 66.0607, 70.2978,
90.9768

■ 24.3721, 22.8758,
84.0207

■ 76.5683, 80.8519,
92.4601

■ 22.1557, 19.3501,
83.4569

■ 88.3741, 92.4589,
94.0783

■ 21.1246, 17.5568,
83.1651

■ 92.4328, 98.9531,
95.1179

Harmonies

Analogous

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



36.6955, 44.6155, 80.0617



41.8334, 44.6155, 87.2957



47.5960, 44.6155, 82.3809

Triad

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



41.8334, 44.6155, 87.2957



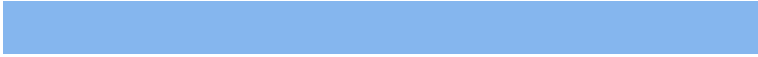
52.9753, 44.6155, 35.6389



33.8368, 44.6155, 33.3692

Complementary

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



41.8334, 44.6155, 87.2957



57.6923, 56.2671, 30.0118

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.



37.6071, 44.6155, 25.5779



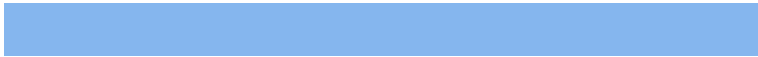
41.8334, 44.6155, 87.2957



48.6796, 44.6155, 26.6666

Square

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



41.8334, 44.6155, 87.2957



54.3601, 44.6155, 50.2438



42.9832, 44.6155, 23.4308



32.3465, 44.6155, 46.9508

Rectangle

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



41.8334, 44.6155, 87.2957



50.9659, 44.6155, 73.3714



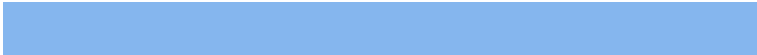
42.9832, 44.6155, 23.4308



34.8620, 44.6155, 30.1139

Sweetspot

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



41.8349, 44.6172, 87.2968



78.5052, 83.4798, 106.5833



49.2451, 69.7353, 58.0204



16.2560, 17.3116, 22.7346



0.0000, 0.0000, 0.0000



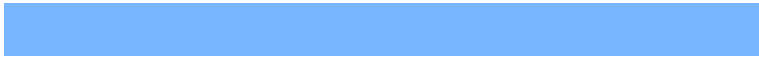
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8349, 44.6172, 87.2968



42.6920, 45.0365, 101.0505



33.7731, 28.0799, 84.5297



15.5054, 16.4448, 20.0786



11.9122, 10.0486, 46.4396



1.0897, 1.0333, 3.8962

Inverse Universe

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



52.0922, 38.3311, 48.9107



56.4774, 38.0725, 49.1283



69.4843, 80.7191, 34.1100



16.0798, 15.8816, 17.9763



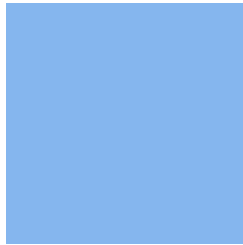
21.3383, 10.8078, 9.6982



1.8250, 0.9190, 1.0691

Previews

White Background



This preview shows how the XYZ color 41.8334, 44.6155, 87.2957 looks on a white background.

Color Contrast Check

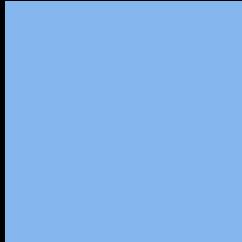
Large Text (above 18pt) WCAG AA × Fail

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 41.8334, 44.6155, 87.2957 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

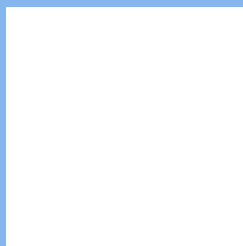
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8334, 44.6155, 87.2957

Background



This preview shows how black text looks on a background with the XYZ color 41.8334, 44.6155, 87.2957.



This preview shows how white text looks on a background with the XYZ color 41.8334, 44.6155,

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

41.8334, 44.6155, 87.2957

Protanopia

44.9382, 44.2245, 83.2585

Deuteranopia

45.5554, 44.4248, 88.6119



Tritanopia

36.9311, 44.4892, 63.1407

Trichromacy



Original Color

41.8334, 44.6155, 87.2957

Protanomaly

43.6783, 44.4183, 84.8688

Deuteranomaly

44.0781, 44.5568, 87.9385

Tritanomaly

38.7060, 44.5877, 71.5320

Monochromacy



Original Color

41.8334, 44.6155, 87.2957

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.0983, 42.8464, 58.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8334, 44.6155, 87.2957 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, 182, 238)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 238)  
}
```

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, 182, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 238) }
```

Border

The CSS property to change the border of an element to XYZ 41.8334, 44.6155, 87.2957 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, 182, 238) }
```


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

```
.border{ border-color:rgb(133, 182, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 182, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 182, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 182, 238);  
box-shadow:4px 4px 4px 4px rgb(133, 182,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8334, 44.6155, 87.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 238) }
```

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

```
.background{ background-color: rgb(133,  
182, 238) }
```

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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