

Converting Colors

XYZ(82.7519, 89.6224,
105.3370)

Have a look what the booklet for
XYZ(82.7519, 89.6224, 105.3370)
contains.

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Color

**XYZ(82.5214, 89.4338,
105.0086)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F6FC
RGB	228, 246, 252
RGB Percent	89%, 96%, 99%
CMY	0.1059, 0.0353, 0.0118
CMYK	0.10, 0.02, 0.00, 0.01
HSL	195°, 80%, 94%
HSV	195°, 10%, 99%
XYZ	82.5214, 89.4338, 105.0086
YIQ	241.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

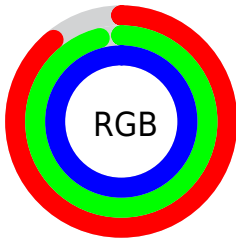
Format	Color
R _Y B	228, 238, 252
Decimal	15005436
CIE _{Lab}	95.76, -4.74, -4.91
CIE _{LCh}	96, 6.820, 226.013
Y _{xy}	89.4338, 0.2980, 0.3229
Android (android.graphics.Color)	4293195516 (0xFFE4F6FC)
Y _{UV}	241.3020, 5.2741, -11.6659
Hunter-Lab	94.5694, -9.7372, 0.3638

Details

The XYZ color **82.5214, 89.4338, 105.0086** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5718, 85.1421, 85.4298**, and the grayscale version is **83.8160, 88.1810, 96.0291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2770, 49.5377, 58.8051** is the 20% darker color. If you saturate the color by 10%, you get **73.2202, 81.8462, 104.0357**, and if you desaturate by 10%, it is **93.0579, 97.7595, 106.0617**.

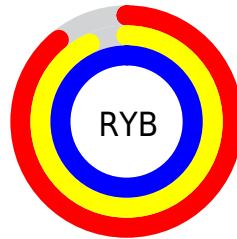
Distribution



Red (89%)

Green (96%)

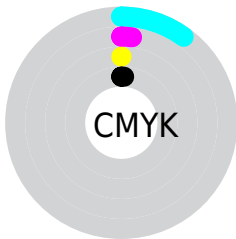
Blue (99%)



Red (89%)

Yellow (93%)

Blue (99%)

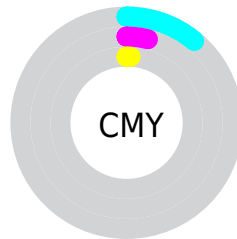


Cyan (10%)

Magenta (2%)

Yellow (0%)

Black (1%)



Cyan (11%)

Magenta (4%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5214, 89.4338, 105.0086 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 82.5214, 89.4338, 105.0086 by changing the saturation by 10% instead.

82.5214, 89.4338,
105.0086

82.5214, 89.4338,
105.0086

491.9982,
526.1873, 597.5174

62.1110, 67.5111,
79.8499

135.8370,
146.5517, 170.1350

45.3783, 49.5001,
59.0694

169.4728,
182.5157, 210.9397

31.9581, 35.0164,
42.2486

208.2478,
223.9289, 257.7968

21.4849, 23.6755,
28.9690

252.5274,
271.1757, 311.1249

13.5934, 15.0931,
18.8120

302.6769,
324.6406, 371.3424

7.9182, 8.8847,
11.3591

359.0616,

4.0940, 4.6661,

384.7079, 438.8680

6.1917

422.0469,
451.7620, 514.1201

■ 1.7555, 2.0527,
2.8913

■ 0.4906, 0.6378,
1.0394

■ 82.5214, 89.4338,
105.0086

■ 82.5214, 89.4338,
105.0086

■ 73.2202, 81.8462,
104.0357

■ 93.0579, 97.7595,
106.0617

■ 65.0958, 74.9582,
103.1344

■ 94.5710, 99.8084,
106.3774

■ 58.0962, 68.7446,
102.3039

■ 52.1624, 63.1739,
101.5414

■ 47.2300, 58.2120,
100.8437

■ 43.2269, 53.8208,
100.2070

■ 40.0711, 49.9568,
99.6275

■ 37.6650, 46.5688,
99.1004

■ 35.8566, 43.5773,
98.6183

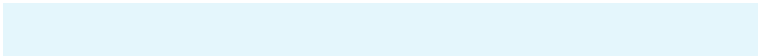
Harmonies

Analogous

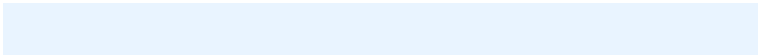
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5810, 89.4338, 100.2584



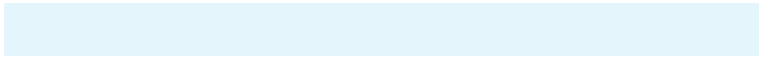
82.5214, 89.4338, 105.0086



84.1345, 89.4338, 107.7598

Triad

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



82.5214, 89.4338, 105.0086



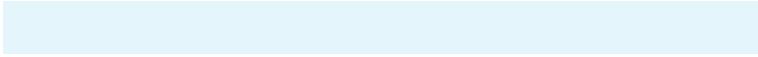
88.5557, 89.4338, 99.8987



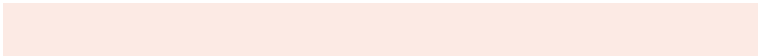
84.0121, 89.4338, 87.7741

Complementary

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



82.5214, 89.4338, 105.0086



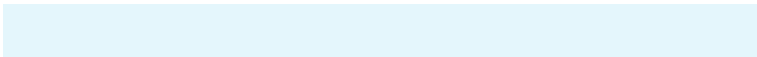
83.5718, 85.1421, 85.4298

Split Complementary

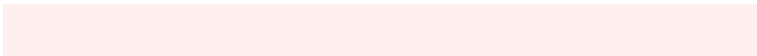
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8797, 89.4338, 87.6858



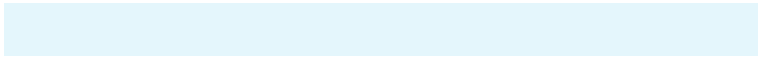
82.5214, 89.4338, 105.0086



88.5218, 89.4338, 94.5537

Square

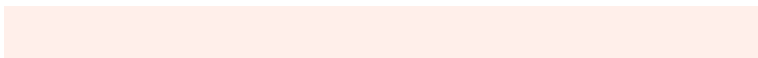
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



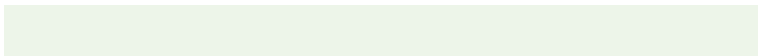
82.5214, 89.4338, 105.0086



87.6283, 89.4338, 104.7369



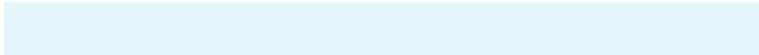
87.5362, 89.4338, 90.1267



82.4329, 89.4338, 90.3725

Rectangle

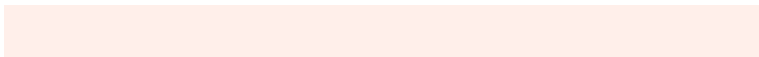
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5214, 89.4338, 105.0086



85.3829, 89.4338, 108.0271



87.5362, 89.4338, 90.1267



84.6265, 89.4338, 87.4532

Sweetspot

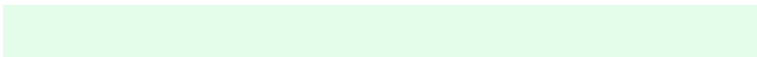
The Sweet Spot groups the original color and five complimentary colors.



82.5240, 89.4376, 105.0106



91.6846, 97.3644, 108.5687



81.6007, 92.0339, 91.0060



19.4360, 20.6917, 23.2195



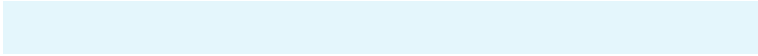
0.0000, 0.0000, 0.0000



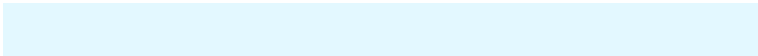
20.3446, 21.4041, 23.3091

Same Dimension

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



82.5240, 89.4376, 105.0106



83.2776, 90.6725, 107.7201



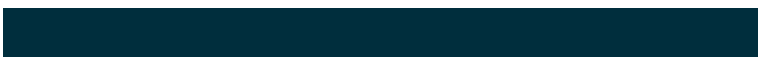
79.1040, 82.5976, 103.8706



17.3771, 18.8310, 22.1042



18.7594, 22.8744, 51.4000



1.8212, 2.2860, 4.7884

Inverse Universe

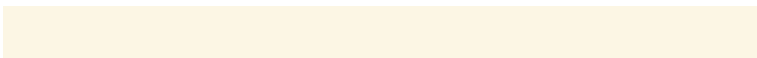
The Inverse Universe completely reimagines the original color for something new.



84.5249, 82.8379, 98.7275



85.6374, 82.9476, 100.2971



86.9842, 91.9669, 86.5672



17.7969, 17.4461, 20.7860



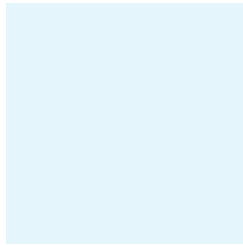
25.7609, 12.7201, 26.5131



2.4282, 1.1950, 2.6781

Previews

White Background



This preview shows how the XYZ color 82.5214, 89.4338, 105.0086 looks on a white background.

Color Contrast Check

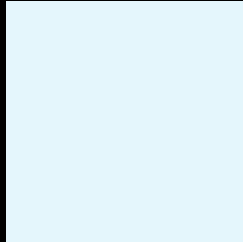
Large Text (above 18pt) WCAG AA × Fail

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 82.5214, 89.4338, 105.0086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

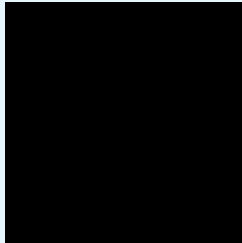
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.5214, 89.4338, 105.0086

Background



This preview shows how black text looks on a background with the XYZ color 82.5214, 89.4338, 105.0086.



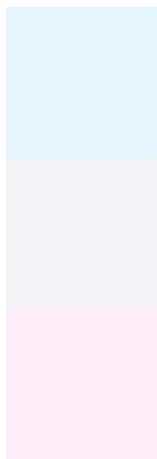
This preview shows how white text looks on a background with the XYZ color 82.5214, 89.4338,

105.0086.

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

82.5214, 89.4338, 105.0086

Protanopia

86.2104, 89.1626, 102.2889

Deuteranopia

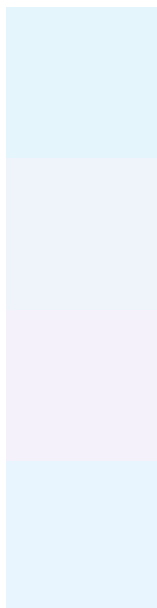
89.0699, 89.3112, 102.9868



Tritanopia

84.6616, 89.5835, 107.4369

Trichromacy



Original Color

82.5214, 89.4338, 105.0086

Protanomaly

84.9025, 89.3540, 103.2147

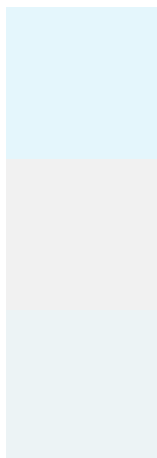
Deuteranomaly

86.5241, 89.2881, 103.9408

Tritanomaly

83.8205, 89.6164, 106.6458

Monochromacy



Original Color

82.5214, 89.4338, 105.0086

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.1241, 88.5266, 99.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.5214, 89.4338, 105.0086 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(228, 246, 252)` looks like.

```
.text, #text, p{  
    color:rgb(228, 246, 252)  
}
```

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(228, 246, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 246, 252) }
```

Border

The CSS property to change the border of an element to XYZ 82.5214, 89.4338, 105.0086 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(228, 246, 252) }
```


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

```
.border{ border-color:rgb(228, 246, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 246, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 246, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 246, 252);  
box-shadow:4px 4px 4px 4px rgb(228, 246,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 82.5214, 89.4338, 105.0086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 246, 252) }
```

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

```
.background{ background-color: rgb(228,  
246, 252) }
```

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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