

Converting Colors

XYZ(77.4340, 82.7950,
105.3122)

Have a look what the booklet for
XYZ(77.4340, 82.7950, 105.3122)
contains.

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Color

**XYZ(77.3870, 82.7842,
105.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	DBEDFE
RGB	219, 237, 254
RGB Percent	86%, 93%, 100%
CMY	0.1412, 0.0706, 0.0039
CMYK	0.14, 0.07, 0.00, 0.00
HSL	209°, 95%, 93%
HSV	209°, 14%, 100%
XYZ	77.3870, 82.7842, 105.6661
YIQ	233.5560, -16.1850, 1.4710

Conversions

Conversions Part 2

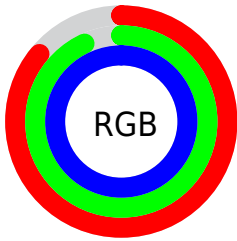
Format	Color
R _Y B	219, 231, 254
Decimal	14413310
CIE Lab	92.92, -2.59, -10.22
CIE LCh	93, 10.542, 255.757
Yxy	82.7842, 0.2911, 0.3114
Android (android.graphics.Color)	4292603390 (0xFFDBEDFE)
YUV	233.5560, 10.0789, -12.7656
Hunter-Lab	90.9858, -7.4040, -5.1662

Details

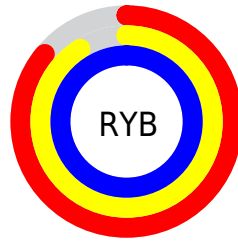
The XYZ color **77.3870, 82.7842, 105.6661** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6552, 86.1759, 79.2440**, and the grayscale version is **77.8083, 81.8603, 89.1459**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9118, 44.9715, 59.2947** is the 20% darker color. If you saturate the color by 10%, you get **66.8720, 72.2449, 104.1873**, and if you desaturate by 10%, it is **89.3186, 94.4228, 107.2850**.

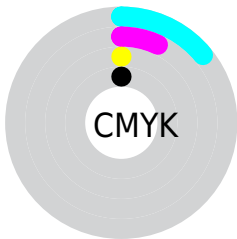
Distribution



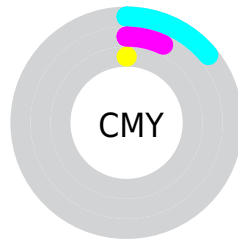
- Red (86%)
- Green (93%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3870, 82.7842, 105.6661 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 77.3870, 82.7842, 105.6661 by changing the saturation by 10% instead.

■ 77.3870, 82.7842,
105.6661

■ 77.3870, 82.7842,
105.6661

474.9542,
504.2670, 599.6111

■ 57.8716, 62.0121,
80.3977

128.6556,
137.2732, 171.0417

■ 41.9483, 45.0425,
59.5176

161.1394,
171.7589, 211.9860

■ 29.2517, 31.4909,
42.6072

198.6768,
211.5846, 258.9927

■ 19.4166, 20.9729,
29.2479

241.6331,
257.1347, 312.4803

■ 12.0775, 13.1042,
19.0213

290.3737,
308.7936, 372.8675

■ 6.8690, 7.5004,
11.5087

345.2638,

■ 3.4259, 3.7769,

366.9457, 440.5726

6.2916

406.6688,
431.9754, 516.0143

■ 1.3828, 1.5496,
2.9516

■ 0.2439, 0.3232,
1.0700

■ 77.3870, 82.7842,
105.6661

■ 77.3870, 82.7842,
105.6661

■ 66.8720, 72.2449,
104.1873

■ 89.3186, 94.4228,
107.2850

■ 57.7085, 62.7577,
102.8391

94.8896, 99.9359,
108.0555

■ 49.8374, 54.2866,
101.6188

■ 43.1917, 46.7894,
100.5220

■ 37.6978, 40.2201,
99.5436

■ 33.2736, 34.5280,
98.6781

■ 29.8242, 29.6556,
97.9194

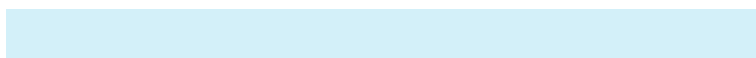
■ 27.2353, 25.5349,
97.2605

■ 25.9593, 23.2953,
96.8954

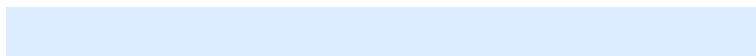
Harmonies

Analogous

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



75.0435, 82.7842, 101.4556



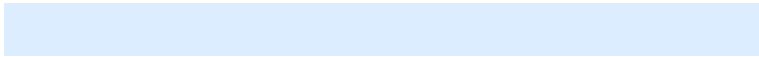
77.3870, 82.7842, 105.6661



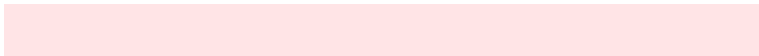
80.1320, 82.7842, 105.5508

Triad

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



77.3870, 82.7842, 105.6661



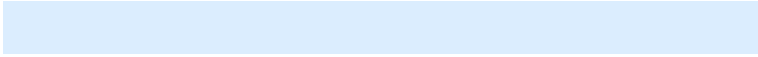
83.8961, 82.7842, 86.0783



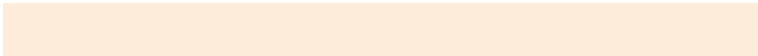
74.9476, 82.7842, 79.9563

Complementary

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



77.3870, 82.7842, 105.6661



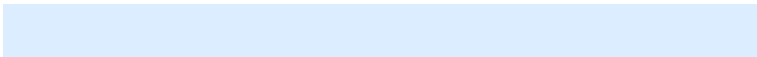
83.6552, 86.1759, 79.2440

Split Complementary

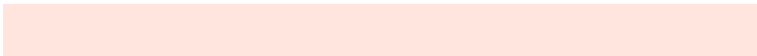
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2533, 82.7842, 76.3036



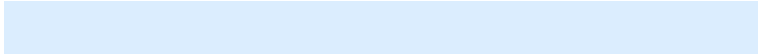
77.3870, 82.7842, 105.6661



82.4402, 82.7842, 79.6948

Square

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



77.3870, 82.7842, 105.6661



83.9339, 82.7842, 93.9246



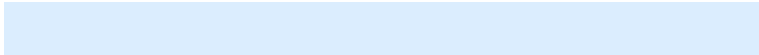
79.9952, 82.7842, 76.2108



73.6575, 82.7842, 86.4545

Rectangle

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



77.3870, 82.7842, 105.6661



81.8219, 82.7842, 103.0260



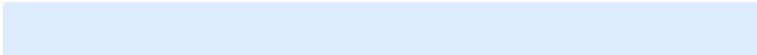
79.9952, 82.7842, 76.2108



75.6271, 82.7842, 78.3721

Sweetspot

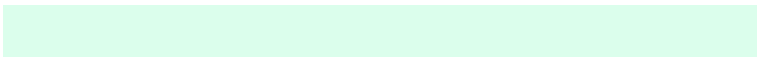
The Sweet Spot groups the original color and five complimentary colors.



77.3894, 82.7876, 105.6679



89.8365, 94.9967, 108.2091



79.7849, 91.9964, 92.8469



19.0245, 20.1362, 23.1339



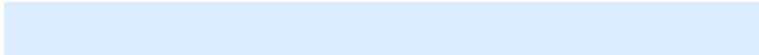
0.0000, 0.0000, 0.0000



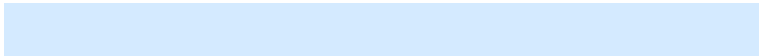
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3894, 82.7876, 105.6679



74.5087, 79.9813, 106.1186



72.5884, 73.1855, 104.0676



17.7757, 18.9231, 22.9656



13.8343, 12.5782, 51.1333



1.4564, 1.4435, 5.0151

Inverse Universe

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



81.4926, 77.8501, 90.8562



79.5399, 74.1097, 87.9153



88.9175, 96.7006, 80.9981



18.3995, 18.1431, 20.7207



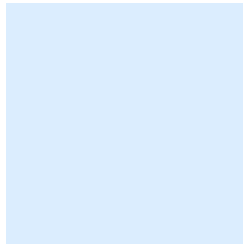
23.7711, 11.9977, 12.7111



2.3697, 1.1903, 1.5284

Previews

White Background



This preview shows how the XYZ color 77.3870, 82.7842, 105.6661 looks on a white background.

Color Contrast Check

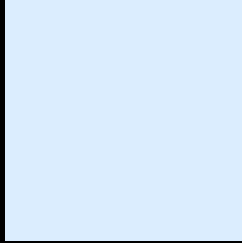
Large Text (above 18pt) WCAG AA × Fail

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 77.3870, 82.7842, 105.6661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

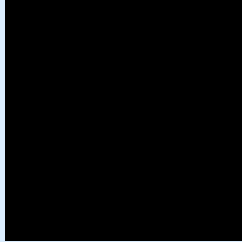
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

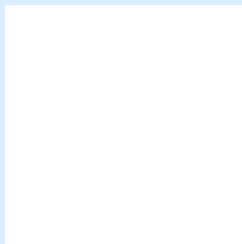
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3870, 82.7842, 105.6661

Background



This preview shows how black text looks on a background with the XYZ color 77.3870, 82.7842, 105.6661.



This preview shows how white text looks on a background with the XYZ color 77.3870, 82.7842,

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

77.3870, 82.7842, 105.6661

Protanopia

80.4832, 82.7353, 102.9944

Deuteranopia

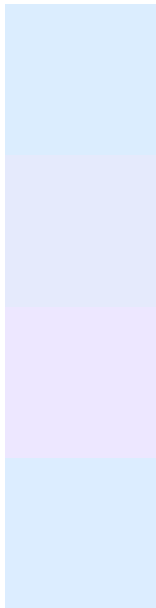
84.1512, 82.4810, 106.0929



Tritanopia

77.8494, 83.0040, 106.5260

Trichromacy



Original Color

77.3870, 82.7842, 105.6661

Protanomaly

79.3066, 82.5319, 103.8458

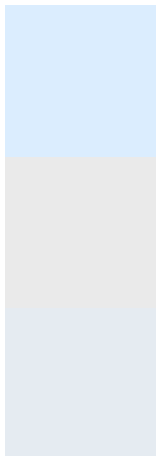
Deuteranomaly

81.5510, 82.3764, 106.2098

Tritanomaly

77.8494, 83.0040, 106.5260

Monochromacy



Original Color

77.3870, 82.7842, 105.6661

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8986, 82.4255, 95.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3870, 82.7842, 105.6661 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(219, 237, 254)` looks like.

```
.text, #text, p{  
    color:rgb(219, 237, 254)  
}
```

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(219, 237, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 237, 254) }
```

Border

The CSS property to change the border of an element to XYZ 77.3870, 82.7842, 105.6661 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(219, 237, 254) }
```


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

```
.border{ border-color:rgb(219, 237, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 237, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 237, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 237, 254);  
box-shadow:4px 4px 4px 4px rgb(219, 237,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3870, 82.7842, 105.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 237, 254) }
```

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

```
.background{ background-color: rgb(219,  
237, 254) }
```

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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