

Converting Colors

XYZ(88.6007, 82.8250,
164.1780)

Have a look what the booklet for
XYZ(88.6007, 82.8250, 164.1780)
contains.

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Color

**XYZ(77.2413, 78.1067,
105.6128)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E2FF
RGB	228, 226, 255
RGB Percent	89%, 89%, 100%
CMY	0.1059, 0.1137, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	244°, 100%, 94%
HSV	244°, 11%, 100%
XYZ	77.2413, 78.1067, 105.6128
YIQ	229.9040, -8.1170, 9.4430

Conversions

Conversions Part 2

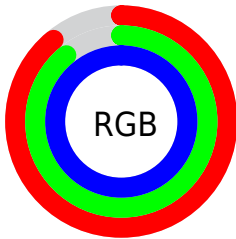
Format	Color
R_{YB}	228, 226, 255
Decimal	15000319
CIE _{Lab}	90.83, 6.13, -13.79
CIE _{LCh}	91, 15.090, 293.957
Yxy	78.1067, 0.2960, 0.2993
Android (android.graphics.Color)	4293190399 (0xFFE4E2FF)
YUV	229.9040, 12.3723, -1.6698
Hunter-Lab	88.3780, 1.3454, -8.9877

Details

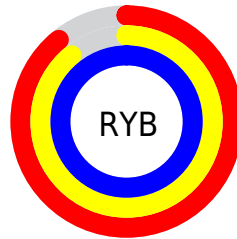
The XYZ color **77.2413, 78.1067, 105.6128** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.9972, 97.8945, 86.1074**, and the grayscale version is **75.0604, 78.9694, 85.9976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7692, 41.9737, 59.3263** is the 20% darker color. If you saturate the color by 10%, you get **63.7943, 61.6369, 103.1425**, and if you desaturate by 10%, it is **92.7581, 97.1784, 108.4762**.

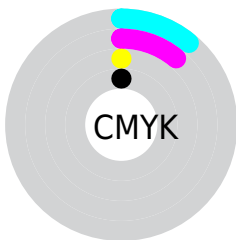
Distribution



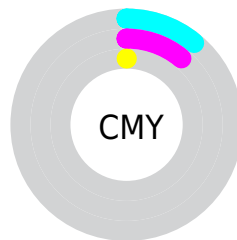
- Red (89%)
- Green (89%)
- Blue (100%)



- Red (89%)
- Yellow (89%)
- Blue (100%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2413, 78.1067, 105.6128 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 77.2413, 78.1067, 105.6128 by changing the saturation by 10% instead.

■ 77.2413, 78.1067,
105.6128

■ 77.2413, 78.1067,
105.6128

474.4657,
488.5291, 599.4415

■ 57.7516, 58.1616,
80.3533

128.4511,
130.7005, 170.9682

■ 41.8514, 41.9386,
59.4813

160.9018,
164.1181, 211.9012

■ 29.1756, 29.0532,
42.5781

198.4036,
202.7952, 258.8958

■ 19.3586, 19.1211,
29.2253

241.3218,
247.1164, 312.3705

■ 12.0352, 11.7578,
19.0043

290.0218,
297.4660, 372.7439

■ 6.8401, 6.5790,
11.4965

344.8688,

■ 3.4077, 3.2002,

354.2284, 440.4345

6.2835

406.2283,
417.7879, 515.8609

■ 1.3729, 1.2371,
2.9467

■ 0.2368, 0.0917,
1.0675

■ 77.2413, 78.1067,
105.6128

■ 77.2413, 78.1067,
105.6128

■ 63.7943, 61.6369,
103.1425

■ 92.7581, 97.1784,
108.4762

■ 52.3235, 47.6472,
101.0468

95.0500, 100.0000,
108.9000

■ 42.7376, 36.0202,
99.3078

■ 34.9356, 26.6254,
97.9057

■ 28.8068, 19.3195,
96.8185

■ 24.2285, 13.9425,
96.0219

■ 21.0607, 10.3112,
95.4880

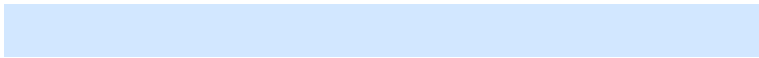
■ 19.1383, 8.2071,
95.1832

■ 18.2914, 7.3444,
95.0613

Harmonies

Analogous

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



73.4724, 78.1067, 107.5711



77.2413, 78.1067, 105.6128



80.2973, 78.1067, 97.9464

Triad

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



77.2413, 78.1067, 105.6128



78.6159, 78.1067, 69.2384



67.2140, 78.1067, 82.8633

Complementary

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



77.2413, 78.1067, 105.6128



89.9972, 97.8945, 86.1074

Split Complementary

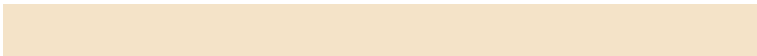
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4916, 78.1067, 73.3292



77.2413, 78.1067, 105.6128



75.0091, 78.1067, 65.9059

Square

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



77.2413, 78.1067, 105.6128



81.1097, 78.1067, 76.8366



71.3137, 78.1067, 67.3374



67.7660, 78.1067, 93.8180

Rectangle

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



77.2413, 78.1067, 105.6128



81.4757, 78.1067, 90.9534



71.3137, 78.1067, 67.3374



67.4423, 78.1067, 79.3980

Sweetspot

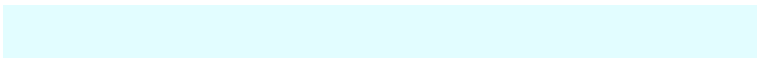
The Sweet Spot groups the original color and five complimentary colors.



77.2434, 78.1099, 105.6133



90.0857, 93.8898, 107.9823



84.5621, 93.6825, 108.2334



19.0050, 19.7555, 23.0615



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.



77.2434, 78.1099, 105.6133



73.5103, 73.5313, 104.9263



82.0154, 80.5699, 105.8366



17.1188, 17.4375, 22.7135



9.6001, 3.8595, 49.6736



0.9733, 0.3957, 4.8383

Inverse Universe

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



86.1678, 82.7476, 104.3612



84.3064, 79.1423, 103.3782



84.9396, 95.2872, 85.8707



18.7355, 18.2775, 22.4901



29.5924, 14.3263, 43.3655



2.8969, 1.4011, 4.3044

Previews

White Background



This preview shows how the XYZ color 77.2413, 78.1067, 105.6128 looks on a white background.

Color Contrast Check

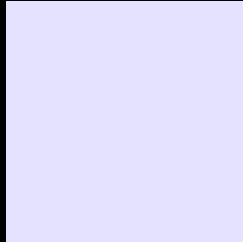
Large Text (above 18pt) WCAG AA × Fail

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 77.2413, 78.1067, 105.6128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

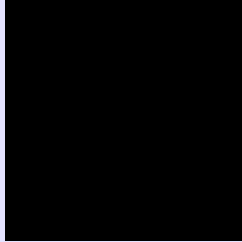
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2413, 78.1067, 105.6128

Background



This preview shows how black text looks on a background with the XYZ color 77.2413, 78.1067, 105.6128.



This preview shows how white text looks on a background with the XYZ color 77.2413, 78.1067,

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

77.2413, 78.1067, 105.6128

Protanopia

76.5704, 78.1657, 105.6595

Deuteranopia

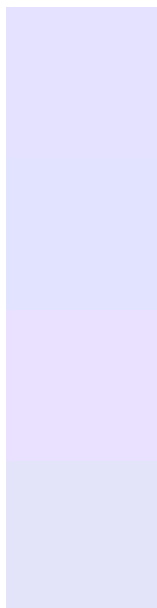
79.6976, 78.1725, 105.4960



Tritanopia

75.7420, 78.3094, 98.3120

Trichromacy



Original Color

77.2413, 78.1067, 105.6128

Protanomaly

76.8831, 78.3269, 105.6742

Deuteranomaly

78.6373, 78.0237, 105.5232

Tritanomaly

76.2465, 78.1086, 100.6804

Monochromacy



Original Color

77.2413, 78.1067, 105.6128

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.9124, 78.9286, 92.8951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2413, 78.1067, 105.6128 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 255)  
}
```

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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2413, 78.1067, 105.6128 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, 226, 255) }
```


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

```
.border{ border-color:rgb(228, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2413, 78.1067, 105.6128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 255) }
```

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

```
.background{ background-color: rgb(228,  
226, 255) }
```

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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