

Converting Colors

XYZ(76.9651, 81.5279,
104.5767)

Have a look what the booklet for
XYZ(76.9651, 81.5279, 104.5767)
contains.

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Color

**XYZ(77.2567, 81.8807,
104.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEBFD
RGB	221, 235, 253
RGB Percent	87%, 92%, 99%
CMY	0.1333, 0.0784, 0.0078
CMYK	0.13, 0.07, 0.00, 0.01
HSL	214°, 89%, 93%
HSV	214°, 13%, 99%
XYZ	77.2567, 81.8807, 104.6612
YIQ	232.8660, -14.1220, 2.6300

Conversions

Conversions Part 2

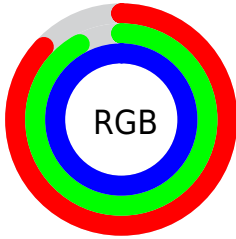
Format	Color
R _Y B	221, 231, 253
Decimal	14543869
CIE Lab	92.52, -1.14, -10.27
CIE LCh	93, 10.337, 263.659
Yxy	81.8807, 0.2929, 0.3104
Android (android.graphics.Color)	4292733949 (0xFFDDEBFD)
YUV	232.8660, 9.9261, -10.4065
Hunter-Lab	90.4880, -5.9544, -5.2351

Details

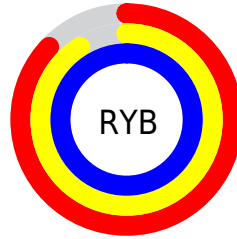
The XYZ color **77.2567, 81.8807, 104.6612** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4260, 87.8355, 80.9122**, and the grayscale version is **77.2887, 81.3137, 88.5506**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8098, 44.3327, 58.5780** is the 20% darker color. If you saturate the color by 10%, you get **66.2149, 70.3829, 103.0252**, and if you desaturate by 10%, it is **89.7900, 94.6355, 106.4638**.

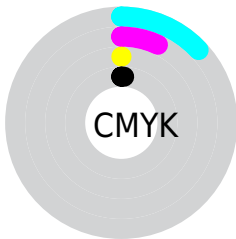
Distribution



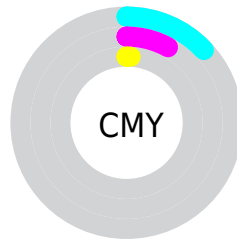
- Red (87%)
- Green (92%)
- Blue (99%)



- Red (87%)
- Yellow (91%)
- Blue (99%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2567, 81.8807, 104.6612 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 77.2567, 81.8807, 104.6612 by changing the saturation by 10% instead.

■ 77.2567, 81.8807,
104.6612

■ 77.2567, 81.8807,
104.6612

474.5173,
501.2486, 596.4096

■ 57.7642, 61.2672,
79.5605

128.4727,
136.0067, 169.6557

■ 41.8617, 44.4408,
58.8327

160.9269,
170.2880, 210.3865

■ 29.1836, 31.0172,
42.0593

198.4325,
209.8940, 257.1644

■ 19.3648, 20.6120,
28.8218

241.3547,
255.2091, 310.4080

■ 12.0397, 12.8407,
18.7017

290.0590,
306.6177, 370.5357

■ 6.8431, 7.3189,
11.2803

344.9106,

■ 3.4096, 3.6623,

364.5042, 437.9662

6.1391

406.2749,
429.2530, 513.1180

■ 1.3739, 1.4865,
2.8597

■ 0.2375, 0.2792,
1.0235

■ 77.2567, 81.8807,
104.6612

■ 77.2567, 81.8807,
104.6612

■ 66.2149, 70.3829,
103.0252

■ 89.7900, 94.6355,
106.4638

■ 56.5979, 60.0899,
101.5453

94.7299, 99.8719,
107.2142

■ 48.3447, 50.9607,
100.2182

■ 41.3866, 42.9479,
99.0383

■ 35.6484, 36.0000,
97.9996

■ 31.0464, 30.0606,
97.0958

■ 27.4850, 25.0665,
96.3195

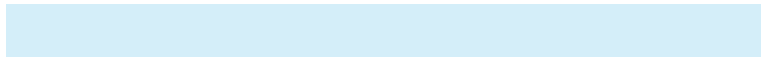
■ 24.8496, 20.9442,
95.6627

■ 23.3834, 18.3989,
95.2487

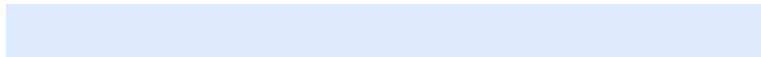
Harmonies

Analogous

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



74.8076, 81.8807, 101.5941



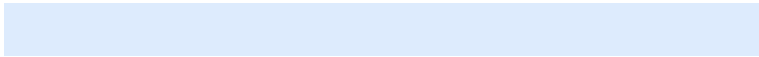
77.2567, 81.8807, 104.6612



79.9140, 81.8807, 103.3849

Triad

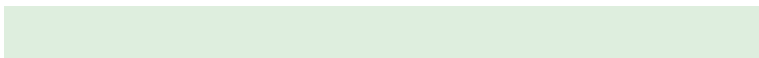
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2567, 81.8807, 104.6612



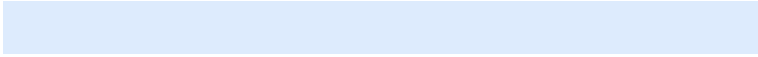
82.6473, 81.8807, 83.3550



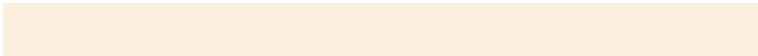
73.7427, 81.8807, 80.6814

Complementary

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



77.2567, 81.8807, 104.6612



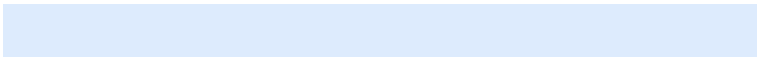
84.4260, 87.8355, 80.9122

Split Complementary

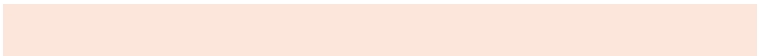
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7730, 81.8807, 76.2931



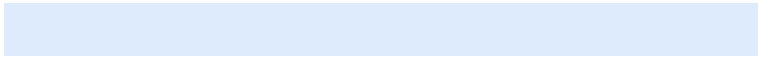
77.2567, 81.8807, 104.6612



80.9228, 81.8807, 77.7736

Square

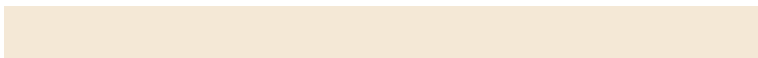
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2567, 81.8807, 104.6612



83.0665, 81.8807, 90.7961



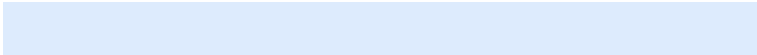
78.3964, 81.8807, 75.2599



72.8091, 81.8807, 87.5321

Rectangle

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



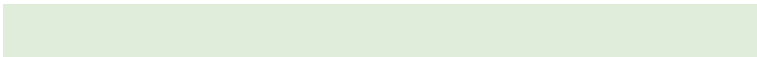
77.2567, 81.8807, 104.6612



81.4417, 81.8807, 100.2772



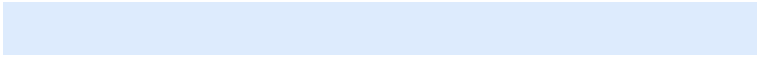
78.3964, 81.8807, 75.2599



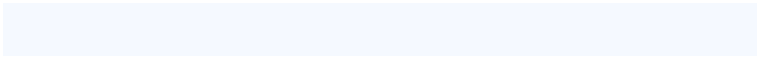
74.3173, 81.8807, 78.8857

Sweetspot

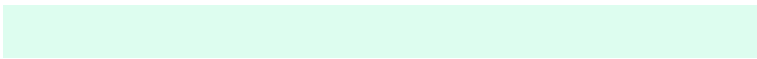
The Sweet Spot groups the original color and five complimentary colors.



77.2591, 81.8841, 104.6630



89.5937, 94.5110, 108.1281



80.4664, 91.8325, 94.8376



18.9631, 20.0133, 23.1134



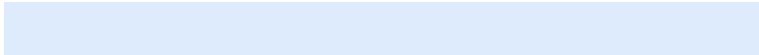
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.2591, 81.8841, 104.6630



75.8684, 80.4883, 106.1448



73.8958, 74.4307, 103.4016



17.6570, 18.6856, 22.9260



12.5781, 10.0657, 50.7145



1.3311, 1.1930, 4.9734

Inverse Universe

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



81.3617, 78.5954, 89.4835



80.7664, 76.6681, 87.9988



88.1057, 96.0560, 82.3050



18.3395, 18.1191, 20.4051



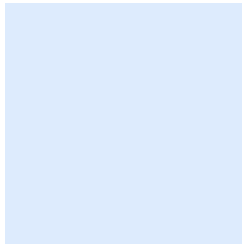
23.1370, 11.7441, 9.3720



2.3065, 1.1650, 1.1955

Previews

White Background



This preview shows how the XYZ color 77.2567, 81.8807, 104.6612 looks on a white background.

Color Contrast Check

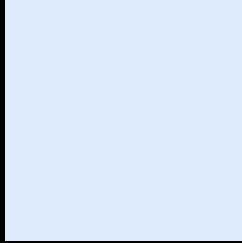
Large Text (above 18pt) WCAG AA × Fail

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 77.2567, 81.8807, 104.6612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

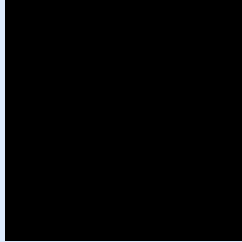
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

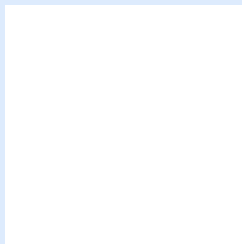
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2567, 81.8807, 104.6612

Background



This preview shows how black text looks on a background with the XYZ color 77.2567, 81.8807, 104.6612.

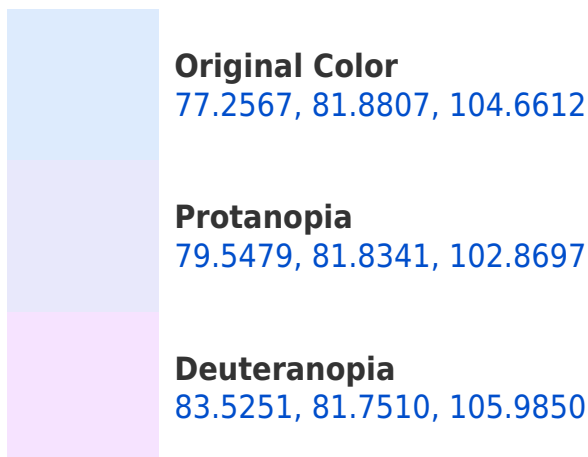


This preview shows how white text looks on a background with the XYZ color 77.2567, 81.8807,

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

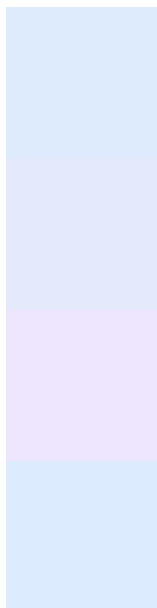




Tritanopia

77.4165, 81.9446, 105.5025

Trichromacy



Original Color

77.2567, 81.8807, 104.6612

Protanomaly

78.7045, 81.8001, 103.7363

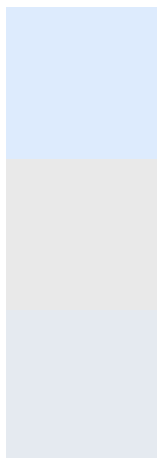
Deuteranomaly

81.1113, 81.7539, 105.2710

Tritanomaly

77.4165, 81.9446, 105.5025

Monochromacy



Original Color

77.2567, 81.8807, 104.6612

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4641, 81.7949, 94.1433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2567, 81.8807, 104.6612 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(221, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 253)  
}
```

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(221, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.2567, 81.8807, 104.6612 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(221, 235, 253) }
```


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

```
.border{ border-color:rgb(221, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(221, 235,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2567, 81.8807, 104.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 235, 253) }
```

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

```
.background{ background-color: rgb(221,  
235, 253) }
```

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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