

Converting Colors

XYZ(77.9322, 82.3204,
104.5118)

Have a look what the booklet for
XYZ(77.9322, 82.3204, 104.5118)
contains.

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Color

**XYZ(77.8694, 82.1965,
104.6899)**

Conversions

Conversions Part 1

Format	Color
Hex	DFEBFD
RGB	223, 235, 253
RGB Percent	87%, 92%, 99%
CMY	0.1255, 0.0784, 0.0078
CMYK	0.12, 0.07, 0.00, 0.01
HSL	216°, 88%, 93%
HSV	216°, 12%, 99%
XYZ	77.8694, 82.1965, 104.6899
YIQ	233.4640, -12.9300, 3.0540

Conversions

Conversions Part 2

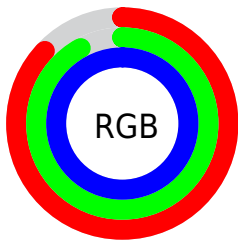
Format	Color
R _Y B	223, 232, 253
Decimal	14674941
CIE Lab	92.66, -0.51, -10.05
CIE LCh	93, 10.065, 267.084
Yxy	82.1965, 0.2941, 0.3105
Android (android.graphics.Color)	4292865021 (0xFFDFEBFD)
YUV	233.4640, 9.6312, -9.1769
Hunter-Lab	90.6623, -5.3462, -5.0000

Details

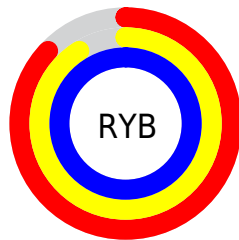
The XYZ color **77.8694, 82.1965, 104.6899** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2831, 89.1206, 82.5207**, and the grayscale version is **77.7404, 81.7889, 89.0682**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2324, 44.5506, 58.5978** is the 20% darker color. If you saturate the color by 10%, you get **66.4882, 70.1533, 102.9665**, and if you desaturate by 10%, it is **90.7910, 95.5885, 106.5951**.

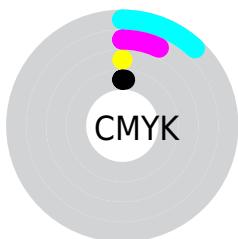
Distribution



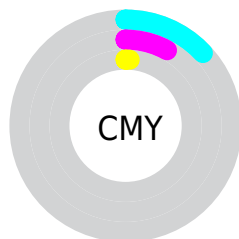
- Red (87%)
- Green (92%)
- Blue (99%)



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



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8694, 82.1965, 104.6899 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 77.8694, 82.1965, 104.6899 by changing the saturation by 10% instead.

■ 77.8694, 82.1965,
104.6899

■ 77.8694, 82.1965,
104.6899

476.5698,
502.3047, 596.5012

■ 58.2691, 61.5275,
79.5844

129.3323,
136.4495, 169.6953

■ 42.2691, 44.6510,
58.8522

161.9257,
170.8024, 210.4322

■ 29.5041, 31.1826,
42.0750

199.5808,
210.4853, 257.2167

■ 19.6087, 20.7380,
28.8340

242.6630,
255.8827, 310.4672

■ 12.2175, 12.9326,
18.7108

291.5376,
307.3789, 370.6024

■ 6.9653, 7.3822,
11.2868

346.5701,

■ 3.4865, 3.7022,

365.3584, 438.0408

6.1435

408.1257,
430.2055, 513.2008

■ 1.4160, 1.5084,
2.8623

■ 0.2676, 0.2946,
1.0248

■ 77.8694, 82.1965,
104.6899

■ 77.8694, 82.1965,
104.6899

■ 66.4882, 70.1533,
102.9665

■ 90.7910, 95.5885,
106.5951

■ 56.5793, 59.4038,
101.4139

94.7299, 99.8720,
107.2143

■ 48.0803, 49.9035,
100.0281

■ 40.9211, 41.6015,
98.8030

■ 35.0252, 34.4430,
97.7320

■ 30.3075, 28.3678,
96.8080

■ 26.6713, 23.3088,
96.0232

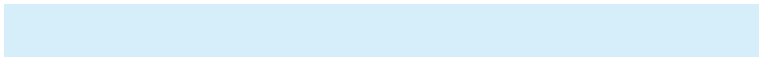
■ 24.0015, 19.1885,
95.3686

■ 22.4057, 16.4436,
94.9229

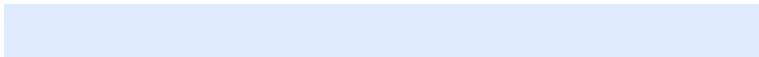
Harmonies

Analogous

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



75.4203, 82.1965, 102.1607



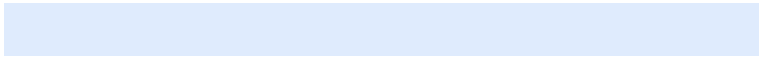
77.8694, 82.1965, 104.6899



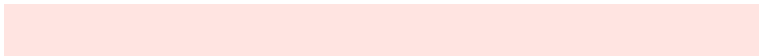
80.4409, 82.1965, 102.9642

Triad

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



77.8694, 82.1965, 104.6899



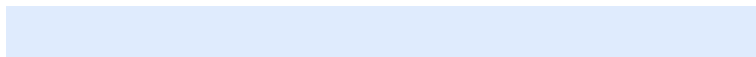
82.6957, 82.1965, 83.0901



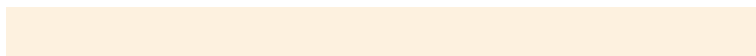
73.9732, 82.1965, 81.8866

Complementary

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



77.8694, 82.1965, 104.6899



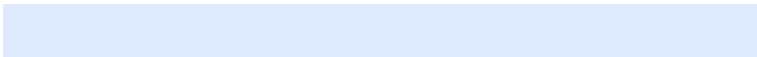
85.2831, 89.1206, 82.5207

Split Complementary

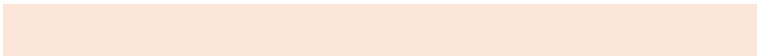
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8546, 82.1965, 77.2603



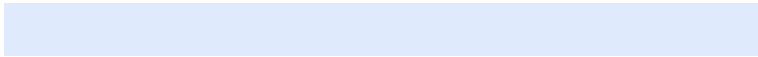
77.8694, 82.1965, 104.6899



80.8942, 82.1965, 77.9274

Square

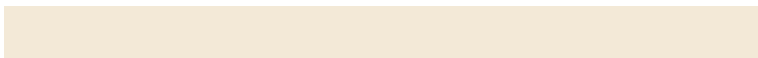
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8694, 82.1965, 104.6899



83.2639, 82.1965, 90.2337



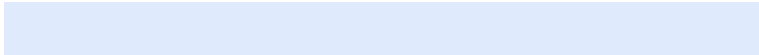
78.3818, 82.1965, 75.8519



73.2026, 82.1965, 88.7663

Rectangle

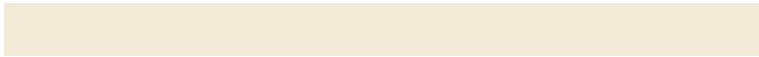
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



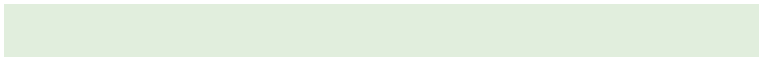
77.8694, 82.1965, 104.6899



81.8721, 82.1965, 99.6832



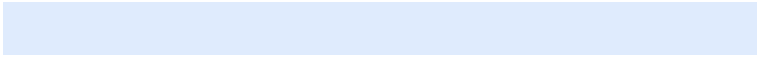
78.3818, 82.1965, 75.8519



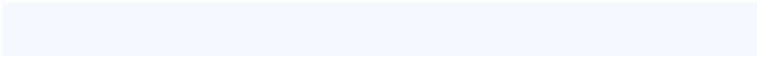
74.4946, 82.1965, 80.0314

Sweetspot

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



77.8718, 82.1999, 104.6917



89.4754, 94.2744, 108.0887



81.3608, 92.2610, 96.3495



18.9332, 19.9535, 23.1035



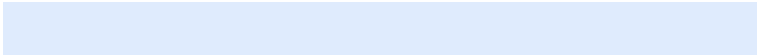
0.0000, 0.0000, 0.0000



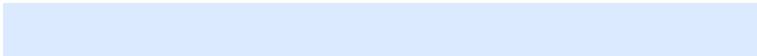
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8718, 82.1999, 104.6917



76.6582, 80.9356, 106.1896



75.3263, 75.9569, 103.6209



17.5994, 18.5705, 22.9068



12.0520, 9.0135, 50.5392



1.2769, 1.0845, 4.9553

Inverse Universe

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



81.8930, 79.6580, 89.6605



81.4414, 77.9963, 88.2912



88.0497, 95.9962, 83.7020



18.3105, 18.1075, 20.2521



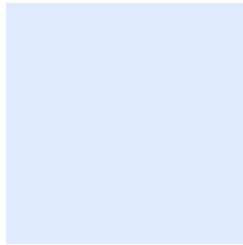
22.8715, 11.6379, 7.9736



2.2791, 1.1540, 1.0513

Previews

White Background



This preview shows how the XYZ color 77.8694, 82.1965, 104.6899 looks on a white background.

Color Contrast Check

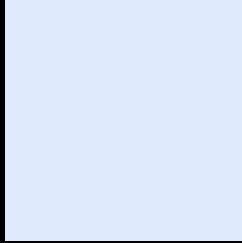
Large Text (above 18pt) WCAG AA × Fail

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 77.8694, 82.1965, 104.6899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

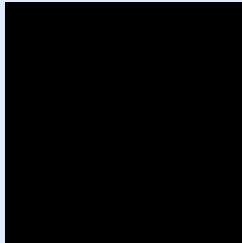
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8694, 82.1965, 104.6899

Background



This preview shows how black text looks on a background with the XYZ color 77.8694, 82.1965, 104.6899.



This preview shows how white text looks on a background with the XYZ color 77.8694, 82.1965,

104.6899.

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

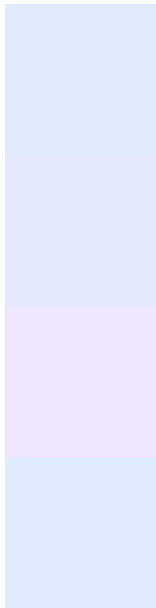




Tritanopia

78.0291, 82.2604, 105.5312

Trichromacy



Original Color

77.8694, 82.1965, 104.6899

Protanomaly

79.0227, 81.9641, 103.7512

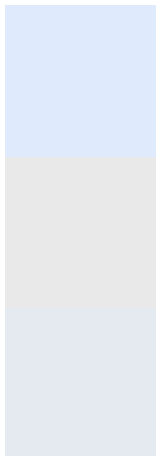
Deuteranomaly

81.4461, 81.9265, 105.2867

Tritanomaly

78.0291, 82.2604, 105.5312

Monochromacy



Original Color

77.8694, 82.1965, 104.6899

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 77.8694, 82.1965, 104.6899 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(223, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.8694, 82.1965, 104.6899 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(223, 235, 253) }
```


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

```
.border{ border-color:rgb(223, 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(223, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8694, 82.1965, 104.6899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 253) }
```

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

```
.background{ background-color: rgb(223,  
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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