

Converting Colors

XYZ(78.0352, 83.3656,
104.6144)

Have a look what the booklet for
XYZ(78.0352, 83.3656, 104.6144)
contains.

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Color

**XYZ(78.1230, 83.6131,
104.9499)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEFD
RGB	221, 238, 253
RGB Percent	87%, 93%, 99%
CMY	0.1333, 0.0666, 0.0078
CMYK	0.13, 0.06, 0.00, 0.01
HSL	208°, 89%, 93%
HSV	208°, 13%, 99%
XYZ	78.1230, 83.6131, 104.9499
YIQ	234.6270, -14.9470, 1.0610

Conversions

Conversions Part 2

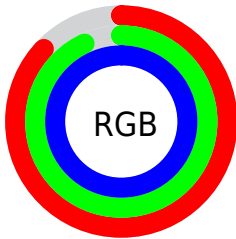
Format	Color
R _Y B	221, 232, 253
Decimal	14544637
CIE Lab	93.28, -2.68, -9.14
CIE LCh	93, 9.529, 253.666
Yxy	83.6131, 0.2929, 0.3135
Android (android.graphics.Color)	4292734717 (0xFFDDEEFD)
YUV	234.6270, 9.0579, -11.9509
Hunter-Lab	91.4402, -7.5168, -4.0416

Details

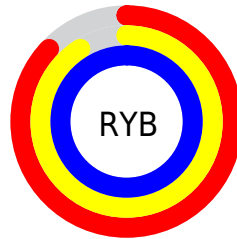
The XYZ color **78.1230, 83.6131, 104.9499** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5552, 86.0937, 80.6222**, and the grayscale version is **78.6257, 82.7203, 90.0824**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4176, 45.5484, 58.7806** is the 20% darker color. If you saturate the color by 10%, you get **67.6542, 73.2612, 103.5049**, and if you desaturate by 10%, it is **89.9849, 95.0251, 106.5288**.

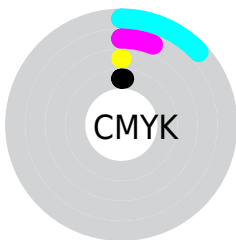
Distribution



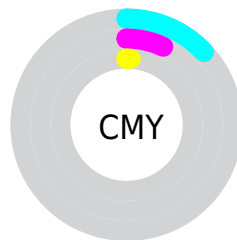
- Red (87%)
- Green (93%)
- Blue (99%)



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



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1230, 83.6131, 104.9499 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 78.1230, 83.6131, 104.9499 by changing the saturation by 10% instead.

■ 78.1230, 83.6131,
104.9499

■ 78.1230, 83.6131,
104.9499

477.4179,
507.0276, 597.3303

■ 58.4782, 62.6961,
79.8010

129.6879,
138.4338, 170.0540

■ 42.4379, 45.5954,
59.0294

162.3388,
173.1063, 210.8462

■ 29.6370, 31.9266,
42.2166

200.0556,
213.1327, 257.6900

■ 19.7099, 21.3055,
28.9441

243.2039,
258.8974, 311.0038

■ 12.2914, 13.3475,
18.7933

292.1489,
310.7849, 371.2062

■ 7.0161, 7.6683,
11.3457

347.2560,

■ 3.5186, 3.8834,

369.1795, 438.7157

6.1828

408.8905,
434.4656, 513.9509

■ 1.4336, 1.6086,
2.8860

■ 0.2799, 0.3634,
1.0367

■ 78.1230, 83.6131,
104.9499

■ 78.1230, 83.6131,
104.9499

■ 67.6542, 73.2612,
103.5049

■ 89.9849, 95.0251,
106.5288

■ 58.5149, 63.9237,
102.1842

94.7299, 99.8719,
107.2142

■ 50.6475, 55.5662,
100.9857

■ 43.9870, 48.1485,
99.9050

■ 38.4618, 41.6266,
98.9374

■ 33.9922, 35.9521,
98.0777

■ 30.4869, 31.0703,
97.3201

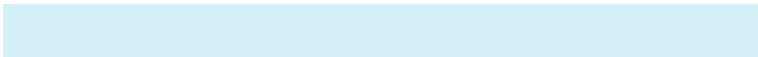
■ 27.8357, 26.9164,
96.6581

■ 26.3149, 24.2620,
96.2259

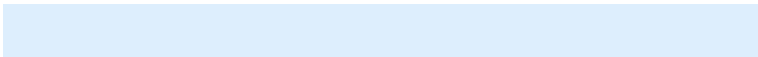
Harmonies

Analogous

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



76.0336, 83.6131, 100.9148



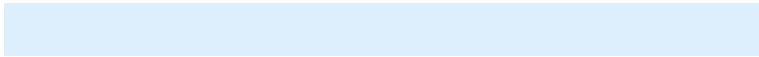
78.1230, 83.6131, 104.9499



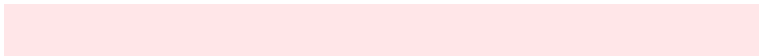
80.6167, 83.6131, 105.1330

Triad

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



78.1230, 83.6131, 104.9499



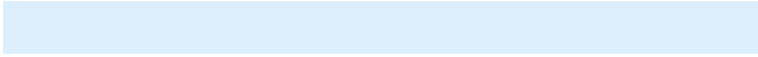
84.2511, 83.6131, 87.8157



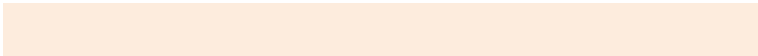
76.1879, 83.6131, 81.4094

Complementary

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



78.1230, 83.6131, 104.9499



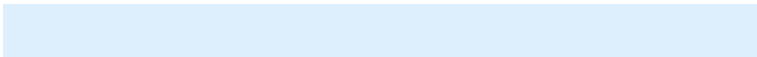
83.5552, 86.0937, 80.6222

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.



78.3376, 83.6131, 78.2671



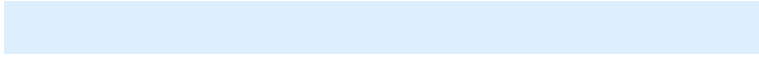
78.1230, 83.6131, 104.9499



83.0120, 83.6131, 81.8322

Square

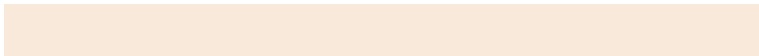
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1230, 83.6131, 104.9499



84.1907, 83.6131, 94.9807



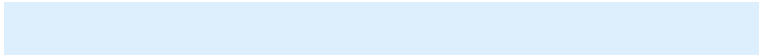
80.8359, 83.6131, 78.4177



74.9325, 83.6131, 87.2107

Rectangle

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



78.1230, 83.6131, 104.9499



82.1756, 83.6131, 103.0277



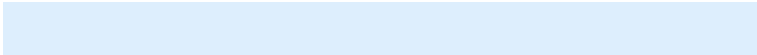
80.8359, 83.6131, 78.4177



76.8279, 83.6131, 80.0211

Sweetspot

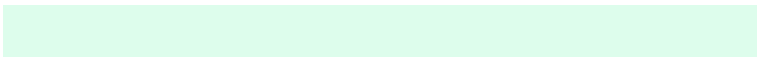
The Sweet Spot groups the original color and five complimentary colors.



78.1255, 83.6166, 104.9518



89.8904, 95.1044, 108.2270



80.0762, 91.6764, 92.7825



19.0382, 20.1634, 23.1385



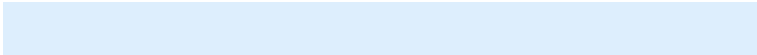
0.0000, 0.0000, 0.0000



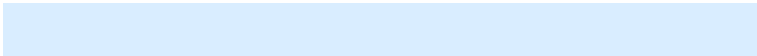
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1255, 83.6166, 104.9518



76.8967, 82.5448, 106.4876



73.6890, 74.7437, 103.4730



17.8022, 18.9759, 22.9744



14.1457, 13.2010, 51.2371



1.4867, 1.5042, 5.0252

Inverse Universe

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



81.7991, 78.7705, 91.7859



81.2854, 76.8757, 90.7319



88.3500, 95.6835, 82.2205



18.4128, 18.1484, 20.7909



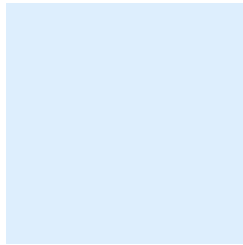
23.9283, 12.0606, 13.5388



2.3850, 1.1964, 1.6091

Previews

White Background



This preview shows how the XYZ color 78.1230, 83.6131, 104.9499 looks on a white background.

Color Contrast Check

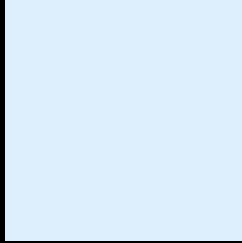
Large Text (above 18pt) WCAG AA × Fail

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 78.1230, 83.6131, 104.9499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

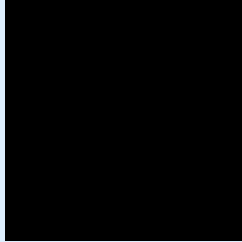
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

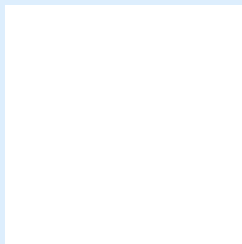
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1230, 83.6131, 104.9499

Background



This preview shows how black text looks on a background with the XYZ color 78.1230, 83.6131, 104.9499.



This preview shows how white text looks on a background with the XYZ color 78.1230, 83.6131,

104.9499.

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

78.1230, 83.6131, 104.9499

Protanopia

81.0964, 83.4728, 103.1044

Deuteranopia

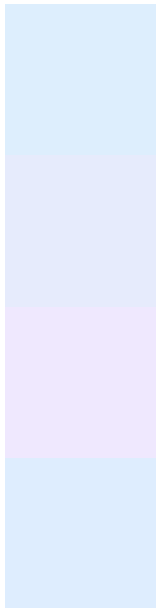
85.1362, 83.3984, 106.2181



Tritanopia

78.7656, 83.4763, 106.5689

Trichromacy



Original Color

78.1230, 83.6131, 104.9499

Protanomaly

79.9121, 83.2679, 103.9560

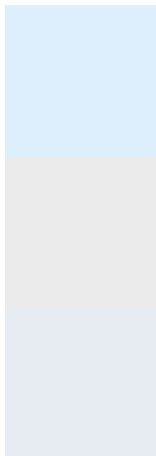
Deuteranomaly

82.3426, 83.2197, 105.4890

Tritanomaly

78.2978, 83.2537, 105.7088

Monochromacy



Original Color

78.1230, 83.6131, 104.9499

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6556, 83.2247, 95.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1230, 83.6131, 104.9499 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, 238, 253)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 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, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 253) }
```

Border

The CSS property to change the border of an element to XYZ 78.1230, 83.6131, 104.9499 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, 238, 253) }
```


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

```
.border{ border-color:rgb(221, 238, 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, 238, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1230, 83.6131, 104.9499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 253) }
```

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

```
.background{ background-color: rgb(221,  
238, 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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