

Converting Colors

XYZ(71.1723, 100.0000,
108.5893)

Have a look what the booklet for
XYZ(71.1723, 100.0000, 108.5893)
contains.

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Color

**XYZ(62.8497, 83.4371,
105.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFFD
RGB	131, 255, 253
RGB Percent	51%, 100%, 99%
CMY	0.4863, 0.0000, 0.0078
CMYK	0.49, 0.00, 0.01, 0.00
HSL	179°, 100%, 76%
HSV	179°, 49%, 100%
XYZ	62.8497, 83.4371, 105.7210
YIQ	217.6960, -73.2620, -26.9100

Conversions

Conversions Part 2

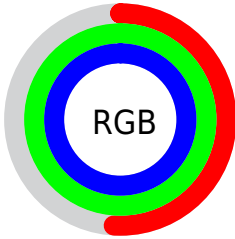
Format	Color
RYB	131, 194, 255
Decimal	8650749
CIELab	93.21, -35.11, -9.76
CIElCh	93, 36.441, 195.535
Yxy	83.4371, 0.2494, 0.3311
Android (android.graphics.Color)	4286840829 (0xFF83FFFD)
YUV	217.6960, 17.4049, -76.0324
Hunter-Lab	91.3439, -37.0339, -4.6812

Details

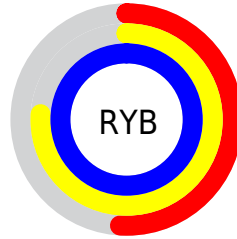
The XYZ color **62.8497, 83.4371, 105.7210** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **53.5910, 39.1877, 26.9311**, and the grayscale version is **66.3519, 69.8074, 76.0202**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **32.4047, 45.5319, 59.3052** is the 20% darker color. If you saturate the color by 10%, you get **59.3098, 81.6198, 105.2154**, and if you desaturate by 10%, it is **67.3638, 85.7567, 106.2759**.

Distribution



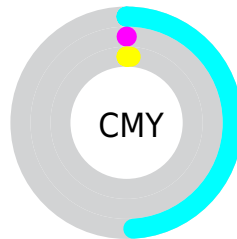
- Red (51%)
- Green (100%)
- Blue (99%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8497, 83.4371, 105.7210 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 62.8497, 83.4371, 105.7210 by changing the saturation by 10% instead.

62.8497, 83.4371,
105.7210

62.8497, 83.4371,
105.7210

424.6921,
506.4421, 599.7858

45.9778, 62.5508,
80.4435

108.0357,
138.1875, 171.1174

32.4329, 45.4779,
59.5551

137.0805,
172.8204, 212.0733

21.8495, 31.8340,
42.6372

170.9136,
212.8042, 259.0925

13.8623, 21.2348,
29.2712

209.9005,
258.5235, 312.5934

8.1060, 13.2957,
19.0388

254.4064,
310.3625, 372.9947

4.2153, 7.6325,
11.5212

304.7968,

1.8246, 3.8607,

368.7057, 440.7148

6.3000

361.4369,
433.9374, 516.1723

■ 0.5324, 1.5959,
2.9566

■ 0.0000, 0.3549,
1.0725

■ 62.8497, 83.4371,
105.7210

■ 62.8497, 83.4371,
105.7210

■ 59.3098, 81.6198,
105.2154

■ 67.3638, 85.7567,
106.2759

■ 56.6680, 80.2654,
104.7511

■ 72.9139, 88.6102,
106.8785

■ 54.8427, 79.3320,
104.3257

■ 79.5607, 92.0292,
107.5332

■ 53.7360, 78.7689,
103.9348

■ 87.3591, 96.0418,
108.2425

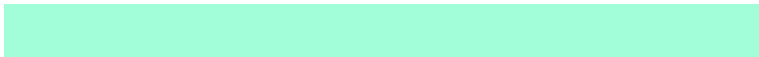
■ 53.2081, 78.5043, 95.0500, 100.0000,
103.5716 108.9000

■ 53.1553, 78.4781,
103.5226

Harmonies

Analogous

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



62.7735, 83.4371, 78.2993



62.8497, 83.4371, 105.7210



67.0898, 83.4371, 133.9334

Triad

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



62.8497, 83.4371, 105.7210



93.1888, 83.4371, 133.0336



83.9948, 83.4371, 48.7464

Complementary

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



62.8497, 83.4371, 105.7210



53.5910, 39.1877, 26.9311

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.



92.9183, 83.4371, 58.1638



62.8497, 83.4371, 105.7210



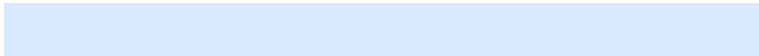
98.5092, 83.4371, 104.6723

Square

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



62.8497, 83.4371, 105.7210



84.3403, 83.4371, 151.7362



98.4064, 83.4371, 77.4412



74.4732, 83.4371, 48.9148

Rectangle

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



62.8497, 83.4371, 105.7210



71.9186, 83.4371, 147.8159



98.4064, 83.4371, 77.4412



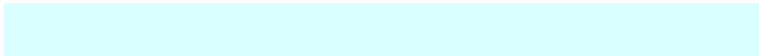
87.1794, 83.4371, 50.7977

Sweetspot

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



62.8509, 83.4377, 105.7225



82.2519, 93.4138, 107.7839



49.5414, 78.1513, 33.9484



17.2663, 19.8200, 23.0388



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.



62.8509, 83.4377, 105.7225



59.5040, 81.7194, 105.2458



46.9416, 51.1071, 101.9983



18.5415, 20.4761, 23.1545



27.7806, 41.0088, 54.1233



2.7088, 3.9944, 5.2903

Inverse Universe

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



53.5910, 39.1877, 26.9311



49.2945, 32.9108, 18.3591



63.9540, 60.1327, 29.7108



18.0213, 17.9918, 18.7292



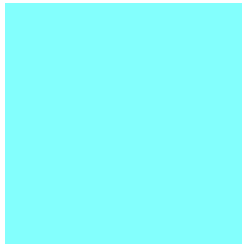
21.5657, 11.1156, 1.0974



2.1038, 1.0839, 0.1278

Previews

White Background



This preview shows how the XYZ color 62.8497, 83.4371, 105.7210 looks on a white background.

Color Contrast Check

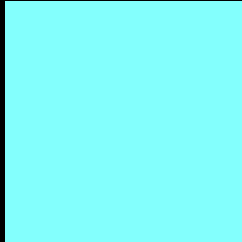
Large Text (above 18pt) WCAG AA × Fail

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 62.8497, 83.4371, 105.7210 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

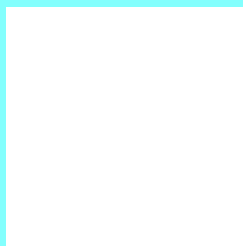
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8497, 83.4371, 105.7210

Background



This preview shows how black text looks on a background with the XYZ color 62.8497, 83.4371, 105.7210.

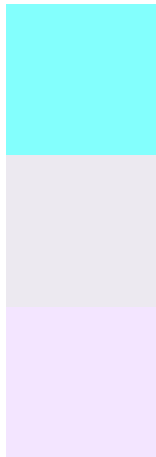


This preview shows how white text looks on a background with the XYZ color 62.8497, 83.4371,

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

62.8497, 83.4371, 105.7210

Protanopia

79.4592, 82.4020, 94.1553

Deuteranopia

83.0315, 82.3133, 106.1196



Tritanopia

71.8865, 82.9977, 106.8391

Trichromacy



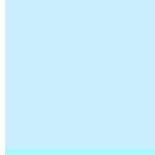
Original Color

62.8497, 83.4371, 105.7210



Protanomaly

71.2254, 81.5089, 98.3650



Deuteranomaly

72.8210, 80.8614, 105.5357



Tritanomaly

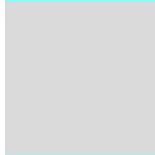
67.8190, 82.7256, 106.1591

Monochromacy



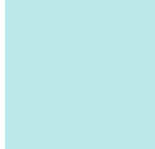
Original Color

62.8497, 83.4371, 105.7210



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.2494, 73.3605, 86.4277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8497, 83.4371, 105.7210 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(131, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 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(131, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 62.8497, 83.4371, 105.7210 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(131, 255, 253) }
```


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

```
.border{ border-color:rgb(131, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8497, 83.4371, 105.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 253) }
```

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

```
.background{ background-color: rgb(131,  
255, 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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