

Converting Colors

XYZ(62.1837, 83.1996,
100.9088)

Have a look what the booklet for
XYZ(62.1837, 83.1996, 100.9088)
contains.

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Color

**XYZ(62.2214, 83.2219,
100.7797)**

Conversions

Conversions Part 1

Format	Color
Hex	85FFF7
RGB	133, 255, 247
RGB Percent	52%, 100%, 97%
CMY	0.4784, 0.0000, 0.0314
CMYK	0.48, 0.00, 0.03, 0.00
HSL	176°, 100%, 76%
HSV	176°, 48%, 100%
XYZ	62.2214, 83.2219, 100.7797
YIQ	217.6100, -70.1440, -28.3520

Conversions

Conversions Part 2

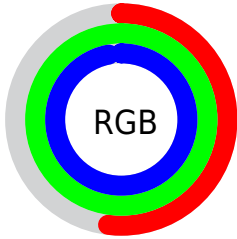
Format	Color
RYB	133, 196, 255
Decimal	8781815
CIELab	93.11, -36.16, -6.79
CIElCh	93, 36.792, 190.630
Yxy	83.2219, 0.2527, 0.3380
Android (android.graphics.Color)	4286971895 (0xFF85FFF7)
YUV	217.6100, 14.4893, -74.2030
Hunter-Lab	91.2260, -37.8983, -1.6409

Details

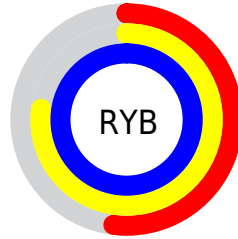
The XYZ color **62.2214, 83.2219, 100.7797** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **54.4363, 39.9598, 30.0447**, and the grayscale version is **66.3106, 69.7640, 75.9729**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **32.1238, 45.4518, 56.3702** is the 20% darker color. If you saturate the color by 10%, you get **58.4162, 81.2900, 99.2622**, and if you desaturate by 10%, it is **67.0082, 85.6597, 102.3581**.

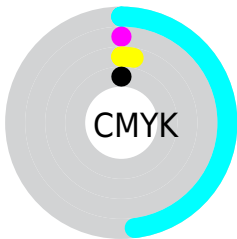
Distribution



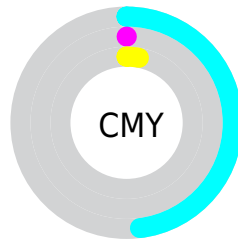
- Red (52%)
- Green (100%)
- Blue (97%)



- Red (52%)
- Yellow (77%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.2214, 83.2219, 100.7797 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 62.2214, 83.2219, 100.7797 by changing the saturation by 10% instead.


 62.2214, 83.2219,
100.7797


 62.2214, 83.2219,
100.7797


422.4429,
505.7258, 583.9576

 45.4679, 62.3732,
76.3314


 107.1336,
137.8862, 164.2895

 32.0290, 45.3343,
56.1960


 136.0230,
172.4706, 204.1880

 21.5393, 31.7209,
39.9550


169.6884,
212.4024, 250.0736

 13.6335, 21.1484,
27.1900

208.4951,
258.0660, 302.3649

 7.9462, 13.2325,
17.4822

252.8086,
309.8457, 361.4804

 4.1120, 7.5888,
10.4133

302.9942,

 1.7657, 3.8330,

368.1260, 427.8387

5.5647

359.4172,
433.2912, 501.8582

■ 0.4969, 1.5806,
2.5178

■ 0.0000, 0.3445,
0.8495

■ 62.2214, 83.2219,
100.7797

■ 62.2214, 83.2219,
100.7797

■ 58.4162, 81.2900,
99.2622

■ 67.0082, 85.6597,
102.3581

■ 55.5174, 79.8250,
97.7977

■ 72.8381, 88.6349,
103.9960

■ 53.4442, 78.7854,
96.3839

■ 79.7712, 92.1786,
105.6977

■ 52.1002, 78.1214,
95.0162

■ 87.8624, 96.3190,
107.4657

■ 51.3561, 77.7664,
93.6885

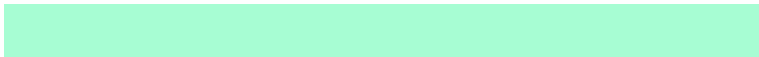
95.0500, 100.0000,
108.9000

■ 51.2340, 77.7096,
93.4052

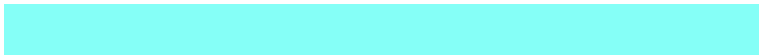
Harmonies

Analogous

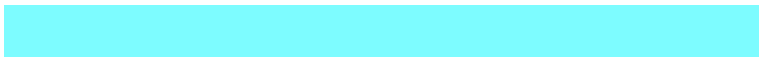
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8475, 83.2219, 74.1001



62.2214, 83.2219, 100.7797



65.8310, 83.2219, 129.8306

Triad

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



62.2214, 83.2219, 100.7797



91.8145, 83.2219, 137.2491



85.4182, 83.2219, 49.1430

Complementary

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



62.2214, 83.2219, 100.7797



54.4363, 39.9598, 30.0447

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.



94.0417, 83.2219, 60.2163



62.2214, 83.2219, 100.7797



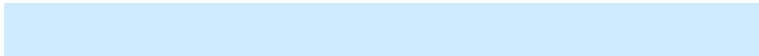
97.9374, 83.2219, 109.4166

Square

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



62.2214, 83.2219, 100.7797



82.5739, 83.2219, 153.5557



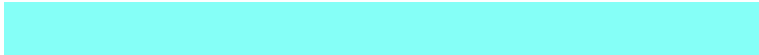
98.7841, 83.2219, 81.1569



75.7247, 83.2219, 47.7616

Rectangle

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



62.2214, 83.2219, 100.7797



70.3401, 83.2219, 145.2923



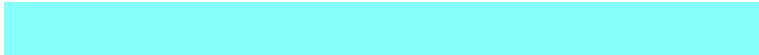
98.7841, 83.2219, 81.1569



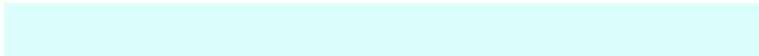
88.5584, 83.2219, 51.7303

Sweetspot

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



62.2225, 83.2225, 100.7812



82.7392, 93.6968, 106.3688



51.0021, 78.8885, 34.7312



17.3482, 19.8701, 22.6863



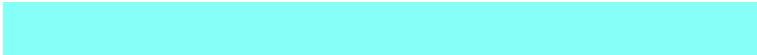
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



62.2225, 83.2225, 100.7812



58.7003, 81.4339, 99.3878



48.8762, 54.5118, 102.5535



18.5004, 20.4597, 22.9381



26.7929, 40.6137, 48.9220



2.6236, 3.9604, 4.8418

Inverse Universe

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



54.4363, 39.9598, 30.0447



50.1188, 33.6727, 21.3673



63.0055, 58.0166, 30.0699



18.0577, 18.0064, 18.9208



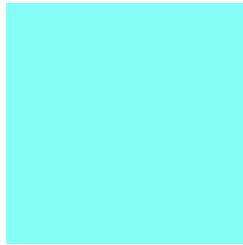
21.6185, 11.1367, 1.3755



2.1210, 1.0908, 0.2188

Previews

White Background



This preview shows how the XYZ color 62.2214, 83.2219, 100.7797 looks on a white background.

Color Contrast Check

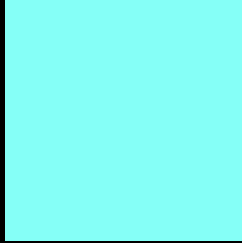
Large Text (above 18pt) WCAG AA × Fail

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 62.2214, 83.2219, 100.7797 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

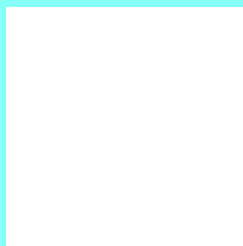
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.2214, 83.2219, 100.7797

Background



This preview shows how black text looks on a background with the XYZ color 62.2214, 83.2219, 100.7797.

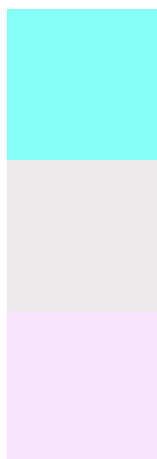


This preview shows how white text looks on a background with the XYZ color 62.2214, 83.2219,

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

62.2214, 83.2219, 100.7797

Protanopia

79.2501, 82.3955, 89.5689

Deuteranopia

83.9101, 81.9865, 104.3309



Tritanopia

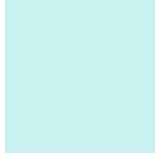
71.5864, 82.3976, 106.7391

Trichromacy



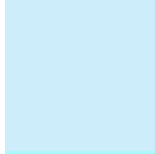
Original Color

62.2214, 83.2219, 100.7797



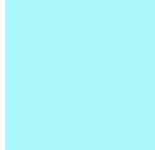
Protanomaly

70.8547, 81.4219, 93.6429



Deuteranomaly

73.1504, 80.6552, 102.9794



Tritanomaly

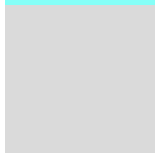
67.4090, 82.0959, 104.3887

Monochromacy



Original Color

62.2214, 83.2219, 100.7797



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.2123, 73.3738, 84.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2214, 83.2219, 100.7797 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(133, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 247)  
}
```

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(133, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 62.2214, 83.2219, 100.7797 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(133, 255, 247) }
```


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

```
.border{ border-color:rgb(133, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2214, 83.2219, 100.7797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 247) }
```

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

```
.background{ background-color: rgb(133,  
255, 247) }
```

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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