

Converting Colors

XYZ(84.4740, 100.0000,
198.1913)

Have a look what the booklet for
XYZ(84.4740, 100.0000, 198.1913)
contains.

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Color

**XYZ(62.5624, 83.2520,
107.3796)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFFFF
RGB	127, 255, 255
RGB Percent	50%, 100%, 100%
CMY	0.5019, 0.0000, 0.0000
CMYK	0.50, 0.00, 0.00, 0.00
HSL	180°, 100%, 75%
HSV	180°, 50%, 100%
XYZ	62.5624, 83.2520, 107.3796
YIQ	216.7280, -76.2880, -27.1360

Conversions

Conversions Part 2

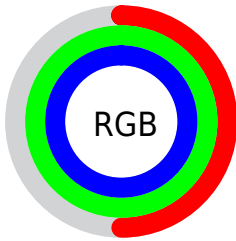
Format	Color
R_{YB}	127, 191, 255
Decimal	8388607
CIE _{Lab}	93.12, -35.43, -10.93
CIE _{LCh}	93, 37.073, 197.146
Yxy	83.2520, 0.2471, 0.3288
Android (android.graphics.Color)	4286578687 (0xFF7FFFFF)
YUV	216.7280, 18.8681, -78.6915
Hunter-Lab	91.2425, -37.2821, -5.9062

Details

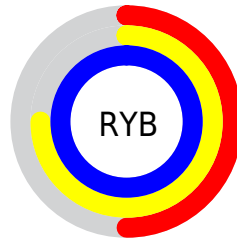
The XYZ color **62.5624, 83.2520, 107.3796** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **52.6613, 37.9728, 24.6347**, and the grayscale version is **65.6800, 69.1005, 75.2505**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **32.2506, 45.4260, 60.4944** is the 20% darker color. If you saturate the color by 10%, you get **59.2337, 81.5360, 107.2238**, and if you desaturate by 10%, it is **66.8538, 85.4643, 107.5804**.

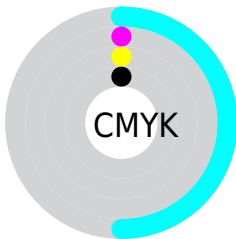
Distribution



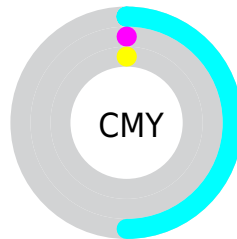
- Red (50%)
- Green (100%)
- Blue (100%)



- Red (50%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5624, 83.2520, 107.3796 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 62.5624, 83.2520, 107.3796 by changing the saturation by 10% instead.

 62.5624, 83.2520,
107.3796


 62.5624, 83.2520,
107.3796


423.6645,
505.8260, 605.0496


 45.7446, 62.3981,
81.8266


 107.6233,
137.9284, 173.4021

 32.2481, 45.3544,
60.6876


 136.5971,
172.5196, 214.7086

 21.7075, 31.7367,
43.5442


 170.3537,
212.4586, 262.1033

 13.7576, 21.1605,
29.9778

209.2583,
258.1300, 316.0049

 8.0328, 13.2413,
19.5698

253.6763,
309.9180, 376.8317

 4.1679, 7.5949,
11.9018

303.9731,

 1.7976, 3.8369,

368.2071, 445.0025

6.5551

360.5141,
433.3816, 520.9356

■ 0.5162, 1.5827,
3.1113

■ 0.0000, 0.3459,
1.1517

■ 62.5624, 83.2520,
107.3796

■ 62.5624, 83.2520,
107.3796

■ 59.2337, 81.5360,
107.2238

■ 66.8538, 85.4643,
107.5804

■ 56.7910, 80.2767,
107.1095

■ 72.1715, 88.2057,
107.8293

■ 55.1505, 79.4310,
107.0327

■ 78.5767, 91.5077,
108.1291

■ 54.2111, 78.9468,
106.9888

■ 86.1250, 95.3990,
108.4823

■ 53.8100, 78.7400,
106.9700

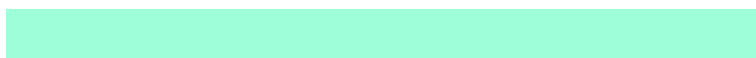
94.8685, 99.9064,
108.8915

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



62.2529, 83.2520, 79.2409



62.5624, 83.2520, 107.3796



67.0729, 83.2520, 135.8773

Triad

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



62.5624, 83.2520, 107.3796



93.6526, 83.2520, 132.1952



83.3645, 83.2520, 47.7985

Complementary

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



62.5624, 83.2520, 107.3796



52.6613, 37.9728, 24.6347

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.



92.5486, 83.2520, 56.7660



62.5624, 83.2520, 107.3796



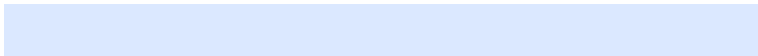
98.8077, 83.2520, 103.0989

Square

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



62.5624, 83.2520, 107.3796



84.7735, 83.2520, 152.0973



98.3878, 83.2520, 75.7502



73.7399, 83.2520, 48.4795

Rectangle

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



62.5624, 83.2520, 107.3796



72.0818, 83.2520, 149.5344



98.3878, 83.2520, 75.7502



86.6202, 83.2520, 49.6922

Sweetspot

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



62.5633, 83.2525, 107.3796



82.3510, 93.4534, 108.3057



48.3445, 77.5650, 32.5043



17.2905, 19.8297, 23.1662



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

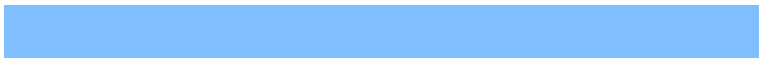
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.5633, 83.2525, 107.3796



59.2895, 81.5648, 107.2264



45.4348, 48.9954, 101.6701



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



66.8802, 43.6603, 99.5101



64.0414, 37.9827, 98.5638



63.7026, 60.0554, 28.3151



18.7928, 18.3004, 22.7918



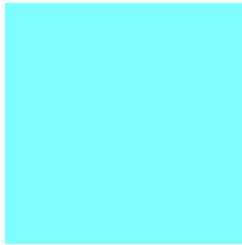
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 62.5624, 83.2520, 107.3796 looks on a white background.

Color Contrast Check

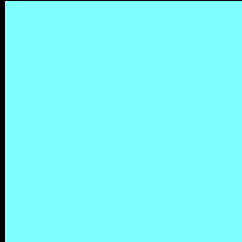
Large Text (above 18pt) WCAG AA × Fail

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 62.5624, 83.2520, 107.3796 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

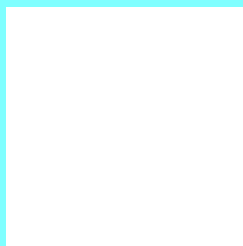
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.5624, 83.2520, 107.3796

Background



This preview shows how black text looks on a background with the XYZ color 62.5624, 83.2520, 107.3796.

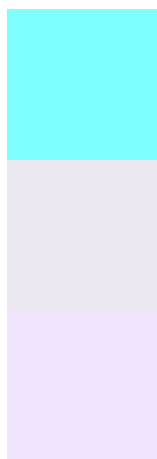


This preview shows how white text looks on a background with the XYZ color 62.5624, 83.2520,

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

62.5624, 83.2520, 107.3796

Protanopia

79.3259, 81.8970, 94.8459

Deuteranopia

82.6873, 82.1359, 106.1035



Tritanopia

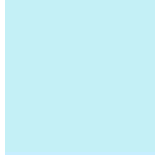
71.3869, 82.7402, 106.8157

Trichromacy



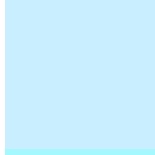
Original Color

62.5624, 83.2520, 107.3796



Protanomaly

70.5596, 80.7098, 99.0484



Deuteranomaly

72.4440, 80.6484, 106.3562



Tritanomaly

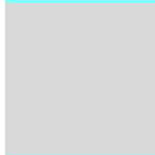
67.3433, 82.4618, 106.9751

Monochromacy



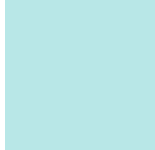
Original Color

62.5624, 83.2520, 107.3796



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.7669, 73.1117, 86.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5624, 83.2520, 107.3796 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(127, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 255)  
}
```

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(127, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.5624, 83.2520, 107.3796 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(127, 255, 255) }
```


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

```
.border{ border-color:rgb(127, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5624, 83.2520, 107.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 255) }
```

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

```
.background{ background-color: rgb(127,  
255, 255) }
```

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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