

Converting Colors

XYZ(63.8350, 77.1350,
103.6195)

Have a look what the booklet for
XYZ(63.8350, 77.1350, 103.6195)
contains.

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Color

**XYZ(63.8350, 77.1350,
103.6195)**

Conversions

Conversions Part 1

Format	Color
Hex	A3F0FC
RGB	163, 240, 252
RGB Percent	64%, 94%, 99%
CMY	0.3608, 0.0588, 0.0118
CMYK	0.35, 0.05, 0.00, 0.01
HSL	188°, 94%, 81%
HSV	188°, 35%, 99%
XYZ	63.8350, 77.1350, 103.6195
YIQ	218.3450, -49.7440, -12.5920

Conversions

Conversions Part 2

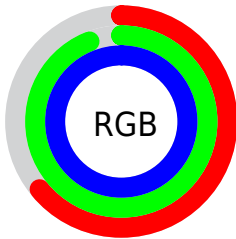
Format	Color
RYB	163, 204, 252
Decimal	10744060
CIELab	90.38, -20.68, -13.30
CIELCh	90, 24.592, 212.751
Yxy	77.1350, 0.2610, 0.3154
Android (android.graphics.Color)	4288934140 (0xFFA3F0FC)
YUV	218.3450, 16.5919, -48.5376
Hunter-Lab	87.8265, -23.9572, -8.4730

Details

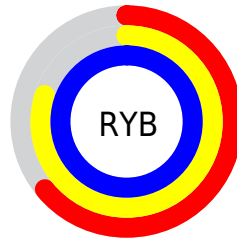
The XYZ color **63.8350, 77.1350, 103.6195** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.0868, 54.0005, 41.8029**, and the grayscale version is **66.7941, 70.2726, 76.5269**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **33.0542, 41.3469, 57.8684** is the 20% darker color. If you saturate the color by 10%, you get **58.1903, 72.7561, 103.0731**, and if you desaturate by 10%, it is **70.5311, 82.0874, 104.2238**.

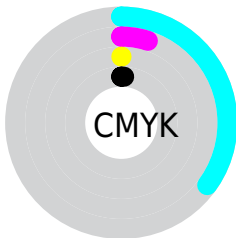
Distribution



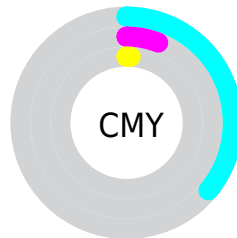
- Red (64%)
- Green (94%)
- Blue (99%)



- Red (64%)
- Yellow (80%)
- Blue (99%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8350, 77.1350, 103.6195 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 63.8350, 77.1350, 103.6195 by changing the saturation by 10% instead.

63.8350, 77.1350,
103.6195

63.8350, 77.1350,
103.6195

428.2052,
485.2242, 593.0813

46.7782, 57.3637,
78.6931

109.4483,
129.3300, 168.2175

33.0676, 41.2973,
58.1237

138.7356,
162.5225, 208.7261

22.3377, 28.5515,
41.4927

172.8304,
200.9575, 255.2659

14.2232, 18.7418,
28.3817

212.0982,
245.0195, 308.2555

8.3588, 11.4838,
18.3720

256.9042,
295.0927, 368.1132

4.3791, 6.3933,
11.0452

307.6138,

1.9188, 3.0857,

351.5616, 435.2578

5.9827

364.5923,
414.8107, 510.1076

■ 0.5877, 1.1766,
2.7659

■ 0.0000, 0.0425,
0.9764

■ 63.8350, 77.1350,
103.6195

■ 63.8350, 77.1350,
103.6195

■ 58.1903, 72.7561,
103.0731

■ 70.5311, 82.0874,
104.2238

■ 53.5285, 68.9098,
102.5764

■ 78.3280, 87.6333,
104.8833

■ 49.7840, 65.5638,
102.1279

■ 87.2804, 93.8031,
105.6024

■ 46.8800, 62.6784,
101.7240

■ 94.1236, 98.9137,
106.2281

■ 44.7268, 60.2073,
101.3606

94.5709, 99.8084,
106.3773

■ 43.2139, 58.0933,
101.0323

■ 42.6504, 57.1873,
100.8871

Harmonies

Analogous

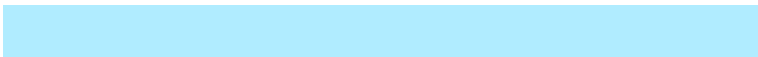
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1526, 77.1350, 85.6186



63.8350, 77.1350, 103.6195



68.0454, 77.1350, 117.7408

Triad

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



63.8350, 77.1350, 103.6195



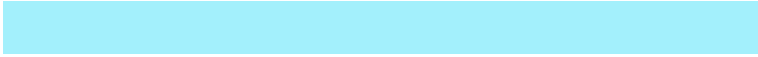
84.3087, 77.1350, 100.4227



72.7499, 77.1350, 54.5619

Complementary

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



63.8350, 77.1350, 103.6195



62.0868, 54.0005, 41.8029

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.



78.8488, 77.1350, 57.3923



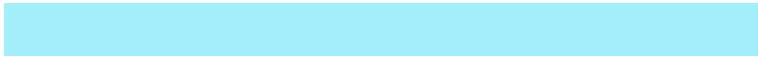
63.8350, 77.1350, 103.6195



85.7386, 77.1350, 82.3760

Square

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



63.8350, 77.1350, 103.6195



79.8825, 77.1350, 115.7216



83.6889, 77.1350, 67.0053



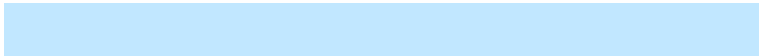
67.1167, 77.1350, 58.6593

Rectangle

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



63.8350, 77.1350, 103.6195



71.8362, 77.1350, 122.1523



83.6889, 77.1350, 67.0053



74.8130, 77.1350, 54.7354

Sweetspot

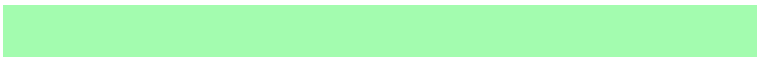
The Sweet Spot groups the original color and five complimentary colors.



63.8373, 77.1380, 103.6213



84.2783, 92.6739, 108.0536



57.6410, 80.4987, 52.9904



17.7768, 19.6546, 23.1067



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.



63.8373, 77.1380, 103.6213



61.5706, 76.1585, 106.0627



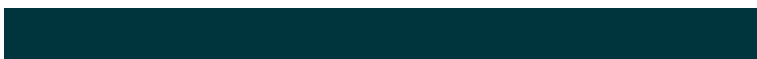
52.3339, 54.1312, 99.7868



17.5546, 19.1860, 22.1633



22.2967, 29.9489, 52.5791



2.1185, 2.8807, 4.8876

Inverse Universe

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



68.9721, 53.1830, 89.0716



67.6261, 48.7332, 88.7191



72.1845, 74.1960, 45.1688



17.8865, 17.4819, 21.2578



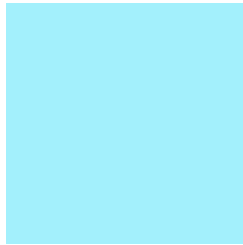
27.5463, 13.4343, 35.9151



2.5783, 1.2550, 3.4685

Previews

White Background



This preview shows how the XYZ color 63.8350, 77.1350, 103.6195 looks on a white background.

Color Contrast Check

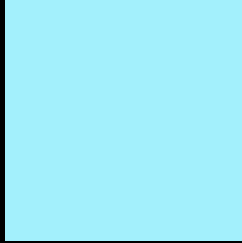
Large Text (above 18pt) WCAG AA × Fail

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 63.8350, 77.1350, 103.6195 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 63.8350, 77.1350, 103.6195

Background



This preview shows how black text looks on a background with the XYZ color 63.8350, 77.1350, 103.6195.

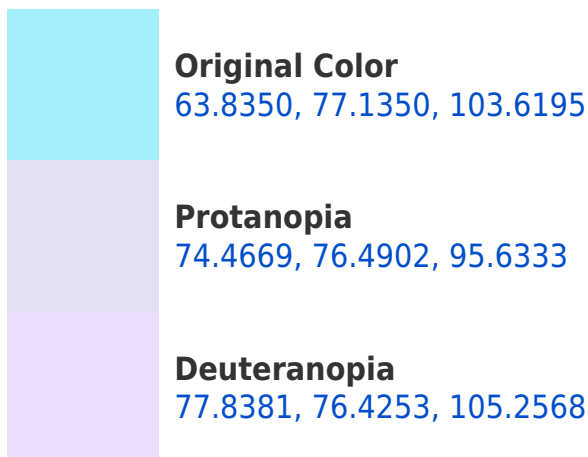


This preview shows how white text looks on a background with the XYZ color 63.8350, 77.1350,

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

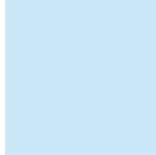
65.8581, 77.2533, 106.0480

Trichromacy



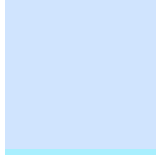
Original Color

63.8350, 77.1350, 103.6195



Protanomaly

69.5600, 75.9440, 98.1812



Deuteranomaly

71.6452, 76.0525, 104.6694



Tritanomaly

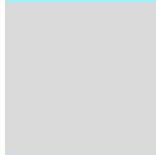
65.1181, 77.3238, 105.2588

Monochromacy



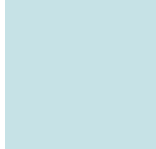
Original Color

63.8350, 77.1350, 103.6195



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.7680, 72.1117, 85.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8350, 77.1350, 103.6195 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(163, 240, 252)` looks like.

```
.text, #text, p{  
    color:rgb(163, 240, 252)  
}
```

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(163, 240, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 240, 252) }
```

Border

The CSS property to change the border of an element to XYZ 63.8350, 77.1350, 103.6195 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(163, 240, 252) }
```


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

```
.border{ border-color:rgb(163, 240, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 240, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 240, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 240, 252);  
box-shadow:4px 4px 4px 4px rgb(163, 240,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8350, 77.1350, 103.6195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 240, 252) }
```

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

```
.background{ background-color: rgb(163,  
240, 252) }
```

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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