

Converting Colors

XYZ(68.1003, 76.8757,
105.8570)

Have a look what the booklet for
XYZ(68.1003, 76.8757, 105.8570)
contains.

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Color

**XYZ(67.9663, 76.6304,
105.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BBEAFF</code>
RGB	<code>187, 234, 255</code>
RGB Percent	<code>73%, 92%, 100%</code>
CMY	<code>0.2667, 0.0823, 0.0000</code>
CMYK	<code>0.27, 0.08, 0.00, 0.00</code>
HSL	<code>199°, 100%, 87%</code>
HSV	<code>199°, 27%, 100%</code>
XYZ	<code>67.9663, 76.6304, 105.8167</code>
YIQ	<code>222.3410, -34.7530, -3.4330</code>

Conversions

Conversions Part 2

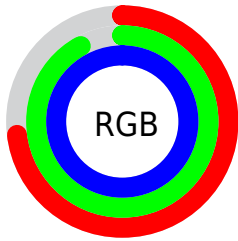
Format	Color
R_{YB}	187, 215, 255
Decimal	12315391
CIE _{Lab}	90.15, -10.43, -15.09
CIE _{LCh}	90, 18.340, 235.338
Yxy	76.6304, 0.2714, 0.3060
Android (android.graphics.Color)	4290505471 (0xFFBBEAFF)
YUV	222.3410, 16.1009, -30.9941
Hunter-Lab	87.5388, -14.6031, -10.3925

Details

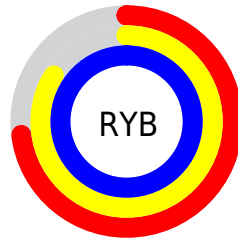
The XYZ color **67.9663, 76.6304, 105.8167** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7655, 69.9591, 56.6837**, and the grayscale version is **69.5812, 73.2048, 79.7200**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.6292, 40.8235, 59.4280** is the 20% darker color. If you saturate the color by 10%, you get **60.0815, 69.3133, 104.8199**, and if you desaturate by 10%, it is **77.0625, 84.7237, 106.8994**.

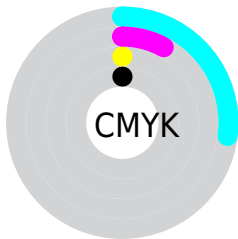
Distribution



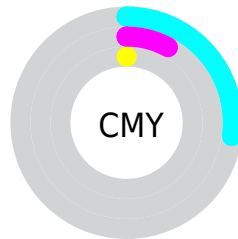
- Red (73%)
- Green (92%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9663, 76.6304, 105.8167 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 67.9663, 76.6304, 105.8167 by changing the saturation by 10% instead.

67.9663, 76.6304,
105.8167

67.9663, 76.6304,
105.8167

442.7552,
483.5029, 600.0901

50.1439, 56.9496,
80.5233

115.3461,
128.6176, 171.2493

35.7460, 40.9648,
59.6203

145.6342,
161.6928, 212.2255

24.4073, 28.2916,
42.6894

180.8083,
200.0016, 259.2664

15.7624, 18.5456,
29.3119

221.2336,
243.9283, 312.7906

9.4460, 11.3424,
19.0693

267.2757,
293.8574, 373.2165

5.0926, 6.2976,
11.5430

319.2997,

2.3370, 3.0269,

350.1733, 440.9627

6.3146

377.6711,
413.2604, 516.4477

■ 0.8135, 1.1458,
2.9654

■ 0.0000, 0.0167,
1.0770

■ 67.9663, 76.6304,
105.8167

■ 67.9663, 76.6304,
105.8167

■ 60.0815, 69.3133,
104.8199

■ 77.0625, 84.7237,
106.8994

■ 53.3420, 62.7308,
103.9046

■ 87.4195, 93.6148,
108.0697

■ 47.6846, 56.8501,
103.0677

95.0500, 100.0000,
108.9000

■ 43.0369, 51.6321,
102.3055

■ 39.3173, 47.0326,
101.6137

■ 36.4298, 43.0001,
100.9875

■ 34.2543, 39.4705,
100.4209

■ 33.6270, 38.3740,
100.2423

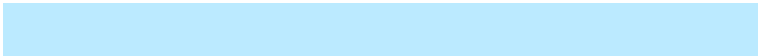
Harmonies

Analogous

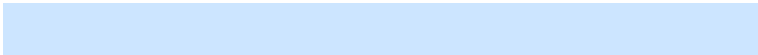
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.2023, 76.6304, 94.6392



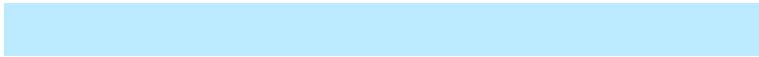
67.9663, 76.6304, 105.8167



72.1253, 76.6304, 111.0184

Triad

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



67.9663, 76.6304, 105.8167



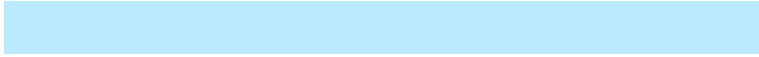
81.9179, 76.6304, 85.4929



69.1506, 76.6304, 62.7580

Complementary

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



67.9663, 76.6304, 105.8167



72.7655, 69.9591, 56.6837

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.



73.5491, 76.6304, 60.8506



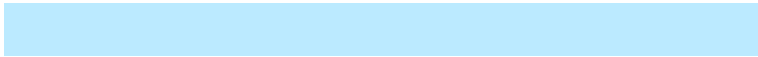
67.9663, 76.6304, 105.8167



81.0411, 76.6304, 73.1565

Square

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



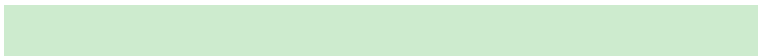
67.9663, 76.6304, 105.8167



80.2791, 76.6304, 98.5320



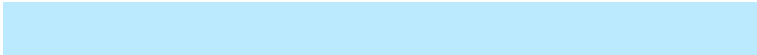
77.9306, 76.6304, 64.4594



65.8657, 76.6304, 69.9690

Rectangle

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



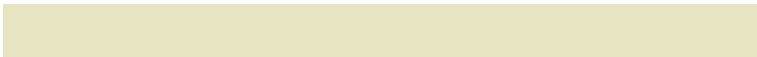
67.9663, 76.6304, 105.8167



75.1763, 76.6304, 110.0409



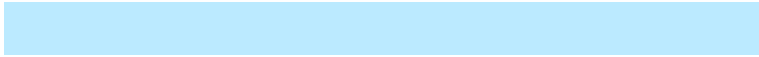
77.9306, 76.6304, 64.4594



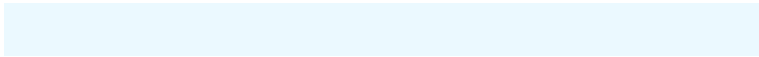
70.5426, 76.6304, 61.5096

Sweetspot

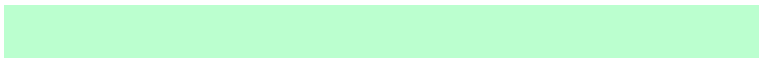
The Sweet Spot groups the original color and five complimentary colors.



67.9684, 76.6334, 105.8171



85.9624, 92.3809, 107.9083



67.5660, 86.6099, 72.4459



18.0539, 19.4793, 23.0583



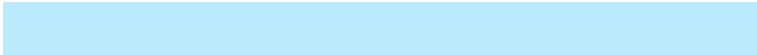
0.0000, 0.0000, 0.0000



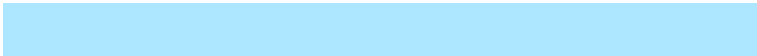
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9684, 76.6334, 105.8171



63.6145, 72.6346, 105.2748



59.3384, 59.3734, 102.9405



18.0539, 19.4793, 23.0583



17.7096, 20.3287, 52.4250



1.8214, 2.1736, 5.1368

Inverse Universe

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



73.8629, 62.7427, 86.0628



70.5158, 57.0030, 82.0049



81.7840, 87.9960, 59.6899



18.5398, 18.1992, 21.4599



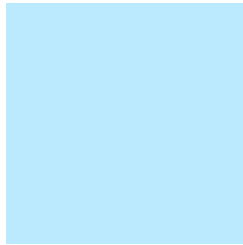
25.7272, 12.7802, 23.0115



2.5540, 1.2640, 2.4987

Previews

White Background



This preview shows how the XYZ color 67.9663, 76.6304, 105.8167 looks on a white background.

Color Contrast Check

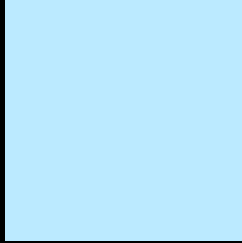
Large Text (above 18pt) WCAG AA × Fail

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 67.9663, 76.6304, 105.8167 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 67.9663, 76.6304, 105.8167

Background



This preview shows how black text looks on a background with the XYZ color 67.9663, 76.6304, 105.8167.

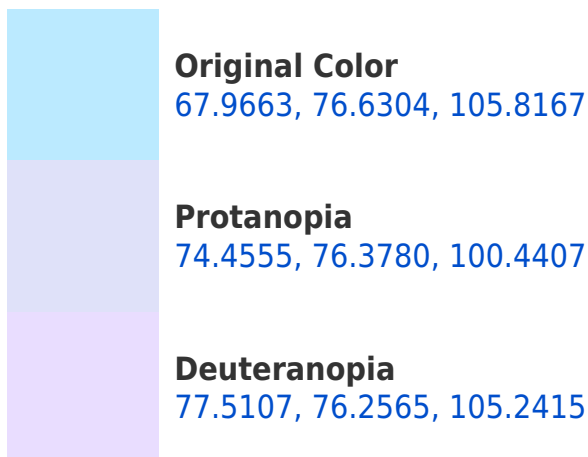


This preview shows how white text looks on a background with the XYZ color 67.9663, 76.6304,

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

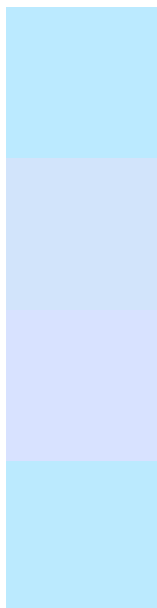




Tritanopia

67.6460, 76.5023, 104.1296

Trichromacy



Original Color

67.9663, 76.6304, 105.8167

Protanomaly

71.7343, 76.1535, 102.1851

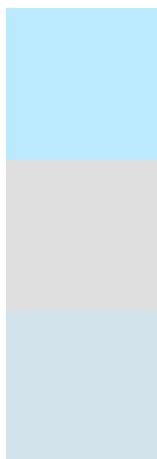
Deuteranomaly

73.5653, 76.2116, 105.4408

Tritanomaly

67.8057, 76.5662, 104.9709

Monochromacy



Original Color

67.9663, 76.6304, 105.8167

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.3421, 73.8885, 88.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9663, 76.6304, 105.8167 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(187, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 234, 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(187, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.9663, 76.6304, 105.8167 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(187, 234, 255) }
```


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

```
.border{ border-color:rgb(187, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9663, 76.6304, 105.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 234, 255) }
```

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

```
.background{ background-color: rgb(187,  
234, 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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