

Converting Colors

XYZ(67.2727, 75.6053,
105.6554)

Have a look what the booklet for
XYZ(67.2727, 75.6053, 105.6554)
contains.

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Color

**XYZ(67.1563, 75.3723,
105.6165)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE8FF
RGB	186, 232, 255
RGB Percent	73%, 91%, 100%
CMY	0.2706, 0.0902, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	200°, 100%, 86%
HSV	200°, 27%, 100%
XYZ	67.1563, 75.3723, 105.6165
YIQ	220.8680, -34.7990, -2.5990

Conversions

Conversions Part 2

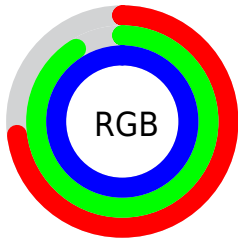
Format	Color
R _Y B	186, 214, 255
Decimal	12249343
CIE Lab	89.57, -9.70, -15.97
CIE LCh	90, 18.681, 238.732
Yxy	75.3723, 0.2706, 0.3037
Android (android.graphics.Color)	4290439423 (0xFFBAE8FF)
YUV	220.8680, 16.8271, -30.5792
Hunter-Lab	86.8172, -13.8539, -11.3565

Details

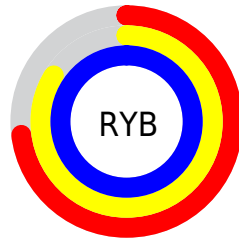
The XYZ color **67.1563, 75.3723, 105.6165** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9035, 70.4057, 56.2034**, and the grayscale version is **68.5396, 72.1090, 78.5267**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.0784, 39.9532, 59.2890** is the 20% darker color. If you saturate the color by 10%, you get **59.1710, 67.7915, 104.5742**, and if you desaturate by 10%, it is **76.3668, 83.7602, 106.7501**.

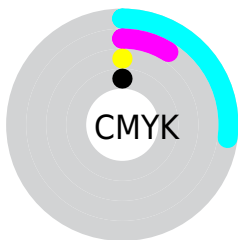
Distribution



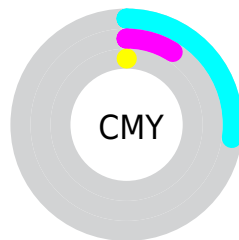
- Red (73%)
- Green (91%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1563, 75.3723, 105.6165 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 67.1563, 75.3723, 105.6165 by changing the saturation by 10% instead.

67.1563, 75.3723,
105.6165

67.1563, 75.3723,
105.6165

439.9247,
479.1962, 599.4533

49.4828, 55.9179,
80.3564

114.1929,
126.8392, 170.9733

35.2188, 40.1371,
59.4838

144.2867,
159.6206, 211.9071

23.9987, 27.6455,
42.5801

179.2514,
197.6131, 258.9025

15.4574, 18.0586,
29.2268

219.4523,
241.2011, 312.3782

9.2294, 10.9921,
19.0054

265.2547,
290.7690, 372.7525

4.9494, 6.0615,
11.4974

317.0240,

2.2521, 2.8825,

346.7013, 440.4441

6.2841

375.1255,
409.3822, 515.8715

■ 0.7700, 1.0707,
2.9470

■ 0.0000, 0.0000,
1.0676

■ 67.1563, 75.3723,
105.6165

■ 67.1563, 75.3723,
105.6165

■ 59.1710, 67.7915,
104.5742

■ 76.3668, 83.7602,
106.7501

■ 52.3444, 60.9756,
103.6184

■ 86.8524, 92.9777,
107.9766

■ 46.6126, 54.8909,
102.7460

95.0500, 100.0000,
108.9000

■ 41.9027, 49.4974,
101.9532

■ 38.1320, 44.7499,
101.2356

■ 35.2036, 40.5959,
100.5881

■ 32.9943, 36.9691,
100.0045

■ 32.4270, 35.9741,
99.8423

Harmonies

Analogous

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



64.1773, 75.3723, 94.8238



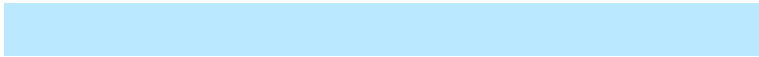
67.1563, 75.3723, 105.6165



71.4440, 75.3723, 110.0115

Triad

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



67.1563, 75.3723, 105.6165



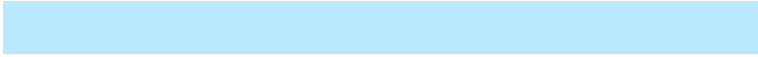
80.8272, 75.3723, 82.6283



67.4809, 75.3723, 61.8439

Complementary

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



67.1563, 75.3723, 105.6165



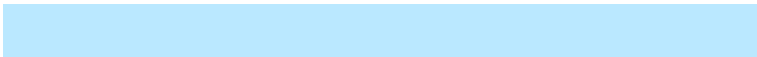
72.9035, 70.4057, 56.2034

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.



71.8346, 75.3723, 59.3082



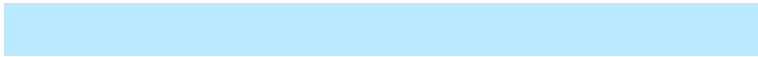
67.1563, 75.3723, 105.6165



79.6579, 75.3723, 70.5100

Square

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



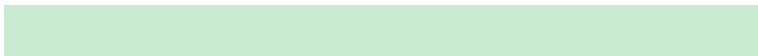
67.1563, 75.3723, 105.6165



79.4485, 75.3723, 95.8947



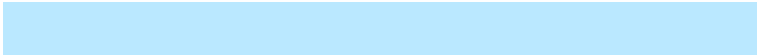
76.3171, 75.3723, 62.3083



64.3590, 75.3723, 69.6380

Rectangle

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



67.1563, 75.3723, 105.6165



74.5101, 75.3723, 108.3998



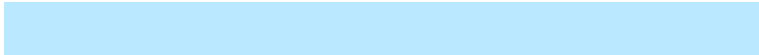
76.3171, 75.3723, 62.3083



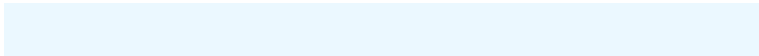
68.8429, 75.3723, 60.3876

Sweetspot

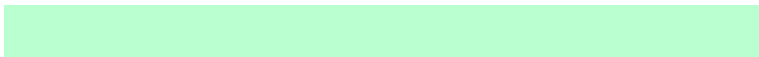
The Sweet Spot groups the original color and five complimentary colors.



67.1584, 75.3752, 105.6170



85.8082, 92.0726, 107.8570



67.3775, 86.5063, 72.7255



18.0149, 19.4015, 23.0453



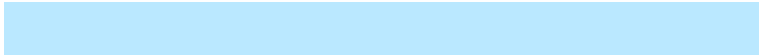
0.0000, 0.0000, 0.0000



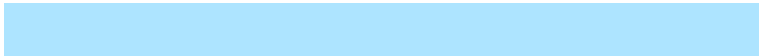
20.3446, 21.4041, 23.3091

Same Dimension

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



67.1584, 75.3752, 105.6170



63.0617, 71.5289, 105.0905



58.6441, 58.3467, 102.7789



18.0149, 19.4015, 23.0453



17.0868, 19.0832, 52.2174



1.7642, 2.0592, 5.1177

Inverse Universe

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



73.3657, 62.2056, 84.4873



70.2368, 56.8913, 80.5354



81.9599, 88.5185, 59.2222



18.5202, 18.1914, 21.3564



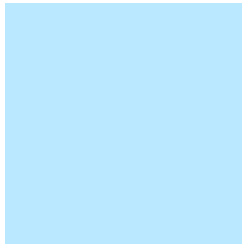
25.4128, 12.6544, 21.3563



2.5251, 1.2524, 2.3466

Previews

White Background



This preview shows how the XYZ color 67.1563, 75.3723, 105.6165 looks on a white background.

Color Contrast Check

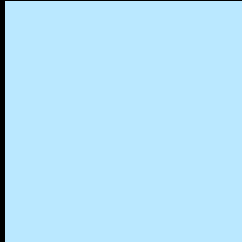
Large Text (above 18pt) WCAG AA × Fail

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 67.1563, 75.3723, 105.6165 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

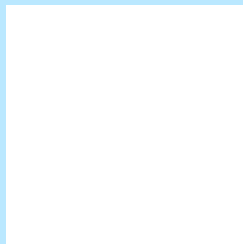
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1563, 75.3723, 105.6165

Background



This preview shows how black text looks on a background with the XYZ color 67.1563, 75.3723, 105.6165.



This preview shows how white text looks on a background with the XYZ color 67.1563, 75.3723,

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

67.1563, 75.3723, 105.6165

Protanopia

73.3054, 74.9871, 100.2329

Deuteranopia

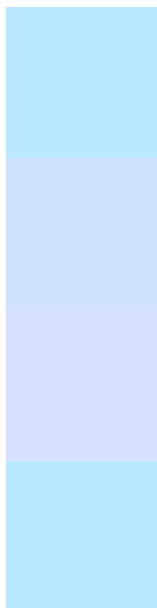
76.0146, 74.7060, 105.0210



Tritanopia

66.5591, 75.5571, 102.3427

Trichromacy



Original Color

67.1563, 75.3723, 105.6165

Protanomaly

70.6214, 74.7676, 101.9762

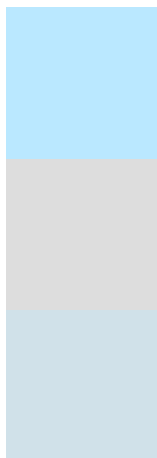
Deuteranomaly

72.4372, 74.8275, 105.2330

Tritanomaly

66.7172, 75.6204, 103.1753

Monochromacy



Original Color

67.1563, 75.3723, 105.6165

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.6456, 73.1435, 87.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1563, 75.3723, 105.6165 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(186, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 232, 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(186, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.1563, 75.3723, 105.6165 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(186, 232, 255) }
```


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

```
.border{ border-color:rgb(186, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1563, 75.3723, 105.6165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 232, 255) }
```

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

```
.background{ background-color: rgb(186,  
232, 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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