

# Converting Colors

XYZ(65.6600, 74.8428,  
105.5932)

Have a look what the booklet for  
XYZ(65.6600, 74.8428, 105.5932)  
contains.

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# **Color**

**XYZ(65.7793, 75.0815,  
105.6330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E9FF
RGB	179, 233, 255
RGB Percent	70%, 91%, 100%
CMY	0.2980, 0.0863, 0.0000
CMYK	0.30, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 30%, 100%
XYZ	65.7793, 75.0815, 105.6330
YIQ	219.3620, -39.2460, -4.6060

# Conversions

## Conversions Part 2

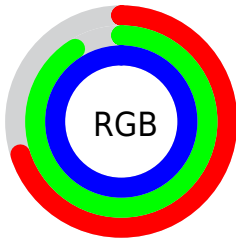
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 211, 255
Decimal	11790847
CIE Lab	89.43, -12.18, -16.21
CIE LCh	89, 20.275, 233.094
Yxy	75.0815, 0.2669, 0.3046
Android (android.graphics.Color)	4289980927 (0xFFB3E9FF)
YUV	219.3620, 17.5695, -35.3975
Hunter-Lab	86.6496, -16.1300, -11.6247

# Details

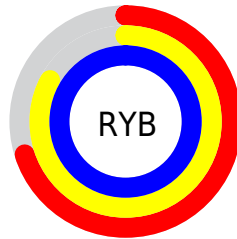
The XYZ color **65.7793, 75.0815, 105.6330** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2635, 66.2877, 51.7412**, and the grayscale version is **67.4863, 71.0008, 77.3199**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.2274, 39.8066, 59.3055** is the 20% darker color. If you saturate the color by 10%, you get **58.3763, 68.2298, 104.7006**, and if you desaturate by 10%, it is **74.3636, 82.6756, 106.6464**.

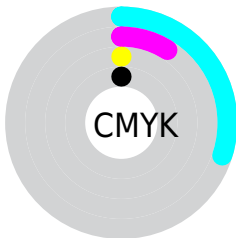
# Distribution



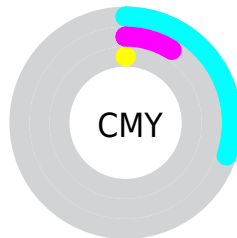
- Red (70%)
- Green (91%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7793, 75.0815, 105.6330 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 65.7793, 75.0815, 105.6330 by changing the saturation by 10% instead.



65.7793, 75.0815,  
105.6330

65.7793, 75.0815,  
105.6330

435.0883,  
478.1976, 599.5058

48.3603, 55.6797,  
80.3702

112.2290,  
126.4277, 170.9961

34.3247, 39.9461,  
59.4950

141.9904,  
159.1409, 211.9333

23.3073, 27.4966,  
42.5891

176.5967,  
197.0600, 258.9325

14.9425, 17.9465,  
29.2339

216.4132,  
240.5693, 312.4121

8.8651, 10.9116,  
19.0107

261.8052,  
290.0534, 372.7907

4.7097, 6.0074,  
11.5011

313.1382,

2.1109, 2.8496,

345.8965, 440.4869

6.2866

370.7774,  
408.4832, 515.9190

■ 0.6952, 1.0537,  
2.9485

■ 0.0000, 0.0000,  
1.0684

■ 65.7793, 75.0815,  
105.6330

■ 65.7793, 75.0815,  
105.6330

■ 58.3763, 68.2298,  
104.7006

■ 74.3636, 82.6756,  
106.6464

■ 52.0872, 62.0786,  
103.8448

■ 84.1795, 91.0341,  
107.7423

■ 46.8470, 56.5947,  
103.0625

95.0500, 100.0000,  
108.9000

■ 42.5809, 51.7380,  
102.3499

■ 39.2037, 47.4629,  
101.7027

■ 36.6138, 43.7152,  
101.1159

■ 34.6496, 40.4099,  
100.5814

■ 34.6136, 40.3473,  
100.5712

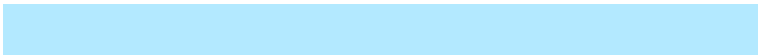
# Harmonies

## Analogous

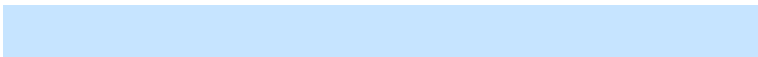
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9323, 75.0815, 92.9567



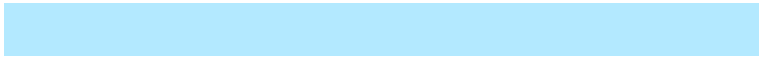
65.7793, 75.0815, 105.6330



70.2203, 75.0815, 112.0250

# Triad

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



65.7793, 75.0815, 105.6330



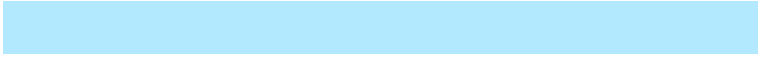
81.2710, 75.0815, 85.0846



67.6815, 75.0815, 59.0818

# Complementary

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



65.7793, 75.0815, 105.6330



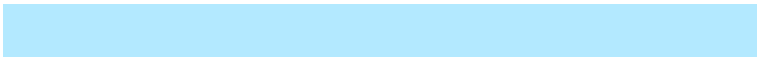
70.2635, 66.2877, 51.7412

# 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.



72.5174, 75.0815, 57.4908



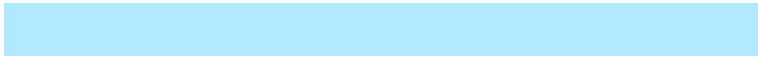
65.7793, 75.0815, 105.6330



80.5142, 75.0815, 71.4841

# Square

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



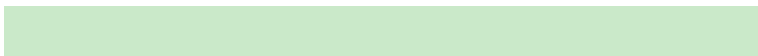
65.7793, 75.0815, 105.6330



79.2759, 75.0815, 99.3024



77.2535, 75.0815, 61.7706

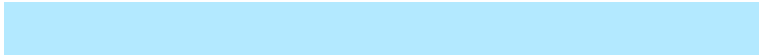


63.9944, 75.0815, 66.4000



# Rectangle

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



65.7793, 75.0815, 105.6330



73.5485, 75.0815, 111.3936



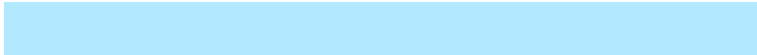
77.2535, 75.0815, 61.7706



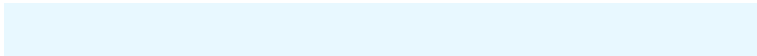
69.2207, 75.0815, 57.8972

# Sweetspot

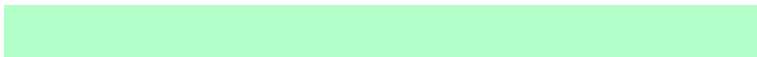
The Sweet Spot groups the original color and five complimentary colors.



65.7813, 75.0844, 105.6334



85.0224, 91.7391, 107.8340



64.8393, 85.2993, 68.0195



17.8725, 19.3632, 23.0454



0.0000, 0.0000, 0.0000

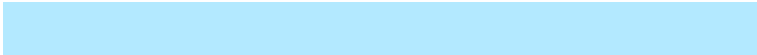


20.3446, 21.4041, 23.3091

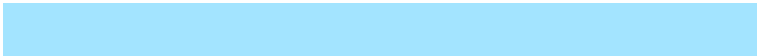


# Same Dimension

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



65.7813, 75.0844, 105.6334



61.0572, 70.7515, 105.0461



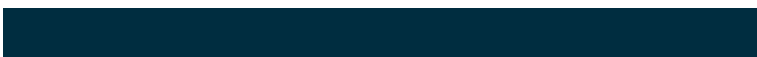
56.2616, 56.0450, 102.4602



18.0847, 19.5410, 23.0686



18.2211, 21.3518, 52.5955



1.8681, 2.2670, 5.1524



# Inverse Universe

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



72.0694, 59.3850, 84.7580



68.4362, 53.1508, 80.3646



80.1073, 85.9753, 55.0224



18.5554, 18.2055, 21.5418



25.9854, 12.8834, 24.3712

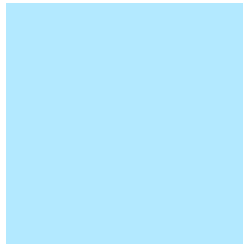


2.5776, 1.2734, 2.6228



# Previews

## White Background



This preview shows how the XYZ color 65.7793, 75.0815, 105.6330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

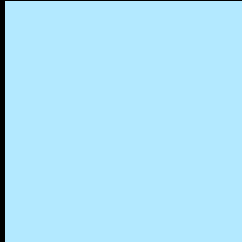
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7793, 75.0815, 105.6330 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 65.7793, 75.0815, 105.6330

## Background



This preview shows how black text looks on a background with the XYZ color 65.7793, 75.0815, 105.6330.



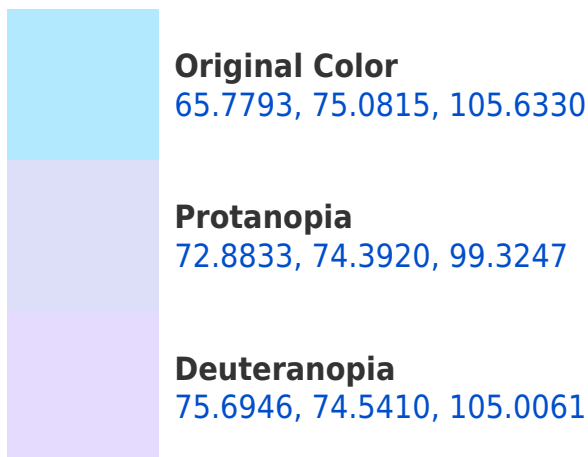
This preview shows how white text looks on a background with the XYZ color 65.7793, 75.0815,



# 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

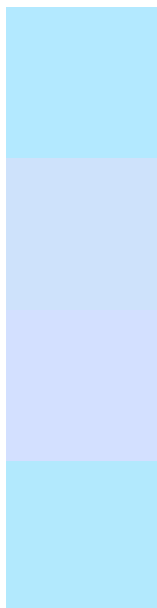




## Tritanopia

65.0697, 74.7711, 103.0982

# Trichromacy



## Original Color

65.7793, 75.0815, 105.6330

## Protanomaly

70.0625, 74.4796, 101.9501

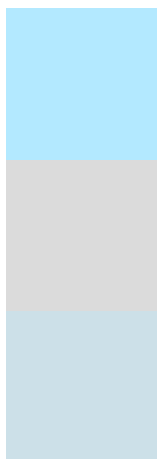
## Deuteranomaly

71.5696, 74.3802, 105.1924

## Tritanomaly

65.2286, 74.8347, 103.9351

# Monochromacy



## Original Color

65.7793, 75.0815, 105.6330

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.1230, 71.9749, 86.7514

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7793, 75.0815, 105.6330 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(179, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 233, 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(179, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7793, 75.0815, 105.6330 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(179, 233, 255) }
```



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

```
.border{ border-color:rgb(179, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7793, 75.0815, 105.6330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 255) }
```

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

```
.background{ background-color: rgb(179,  
233, 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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