

# Converting Colors

XYZ(63.4472, 75.5250, 97.4600)

Have a look what the booklet for  
XYZ(63.4472, 75.5250, 97.4600)  
contains.

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# Color

**XYZ(63.2715, 75.2414,  
97.5745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEFCF5
RGB	171, 236, 245
RGB Percent	67%, 93%, 96%
CMY	0.3294, 0.0745, 0.0392
CMYK	0.30, 0.04, 0.00, 0.04
HSL	187°, 79%, 82%
HSV	187°, 30%, 96%
XYZ	63.2715, 75.2414, 97.5745
YIQ	217.5910, -41.6290, -10.9810

# Conversions

## Conversions Part 2

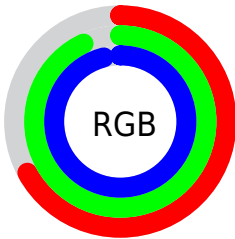
Format	Color
R <sub>YB</sub>	171, 206, 245
Decimal	11267317
CIE Lab	89.51, -18.19, -10.91
CIE LCh	90, 21.214, 210.964
Yxy	75.2414, 0.2680, 0.3187
Android (android.graphics.Color)	4289457397 (0xFFABECF5)
YUV	217.5910, 13.5126, -40.8603
Hunter-Lab	86.7418, -21.5961, -5.9751

# Details

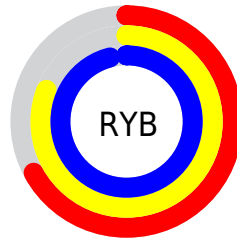
The XYZ color **63.2715, 75.2414, 97.5745** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.3292, 54.9960, 45.9127**, and the grayscale version is **66.2913, 69.7437, 75.9508**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.7090, 40.0296, 54.1467** is the 20% darker color. If you saturate the color by 10%, you get **57.5715, 71.0421, 97.0656**, and if you desaturate by 10%, it is **69.9793, 79.9852, 98.1379**.

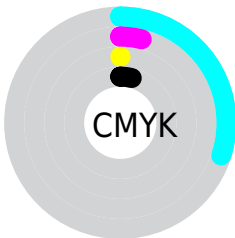
# Distribution



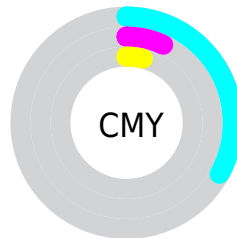
- Red (67%)
- Green (93%)
- Blue (96%)



- Red (67%)
- Yellow (81%)
- Blue (96%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (33%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2715, 75.2414, 97.5745 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 63.2715, 75.2414, 97.5745 by changing the saturation by 10% instead.



63.2715, 75.2414,  
97.5745

63.2715, 75.2414,  
97.5745

426.1982,  
478.7469, 573.5681

46.3204, 55.8107,  
73.6709

108.6407,  
126.6540, 159.8427

32.7044, 40.0512,  
54.0296

137.7895,  
159.4047, 199.0443

22.0582, 27.5784,  
38.2320

171.7349,  
197.3642, 244.1824

14.0165, 18.0081,  
25.8595

210.8422,  
240.9168, 295.6754

8.2139, 10.9558,  
16.4938

255.4769,  
290.4470, 353.9420

4.2851, 6.0371,  
9.7161

306.0042,

1.8647, 2.8677,

346.3391, 419.4006

5.1080

362.7895,  
408.9776, 492.4698

■ 0.5562, 1.0630,  
2.2509

■ 0.0000, 0.0000,  
0.7035

■ 63.2715, 75.2414,  
97.5745

■ 63.2715, 75.2414,  
97.5745

■ 57.5715, 71.0421,  
97.0656

■ 69.9793, 79.9852,  
98.1379

■ 52.8179, 67.3500,  
96.6035

■ 77.7389, 85.2907,  
98.7530

■ 48.9528, 64.1369,  
96.1871

■ 86.5996, 91.1852,  
99.4237

■ 45.9090, 61.3682,  
95.8131

■ 91.2645, 94.9383,  
99.9023

■ 43.6099, 59.0042,  
95.4780

■ 92.1873, 96.7839,  
100.2099

■ 41.9638, 56.9976,  
95.1774

■ 93.1247, 98.6588,  
100.5223

■ 40.8362, 55.3018,  
94.9095

■ 93.4817, 99.3727,  
100.6413

# Harmonies

## Analogous

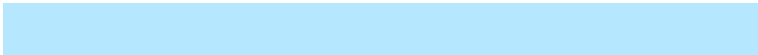
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.9674, 75.2414, 82.4083



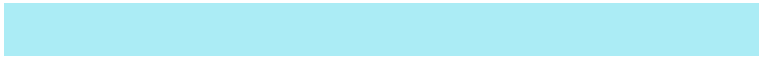
63.2715, 75.2414, 97.5745



66.7663, 75.2414, 109.6273

# Triad

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



63.2715, 75.2414, 97.5745



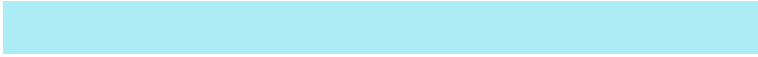
80.6267, 75.2414, 96.6391



71.3465, 75.2414, 56.4784

# Complementary

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



63.2715, 75.2414, 97.5745



61.3292, 54.9960, 45.9127

# 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.



76.4831, 75.2414, 59.3333



63.2715, 75.2414, 97.5745



81.9954, 75.2414, 81.4438

# Square

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



63.2715, 75.2414, 97.5745



76.7884, 75.2414, 109.0428



80.4444, 75.2414, 68.0454



66.4881, 75.2414, 59.7231

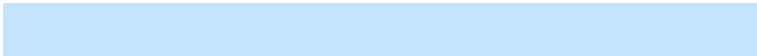


# Rectangle

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



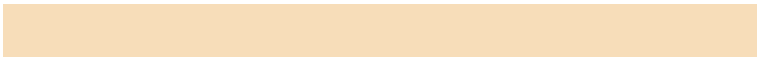
63.2715, 75.2414, 97.5745



69.9543, 75.2414, 113.6174



80.4444, 75.2414, 68.0454



73.0981, 75.2414, 56.7533

# Sweetspot

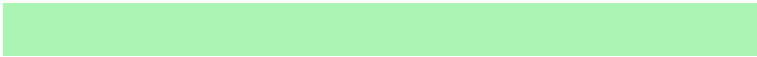
The Sweet Spot groups the original color and five complimentary colors.



63.2737, 75.2444, 97.5762



86.2212, 94.1367, 108.2336



57.6495, 77.2446, 54.8575



18.1694, 19.9569, 23.1444



0.0000, 0.0000, 0.0000

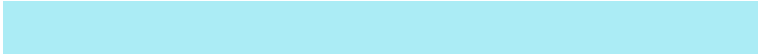


20.3446, 21.4041, 23.3091

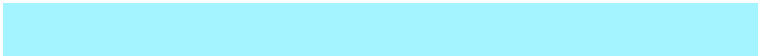


# Same Dimension

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



63.2737, 75.2444, 97.5762



65.4973, 79.6317, 106.5261



53.7856, 56.2681, 94.4135



16.8147, 18.3937, 21.2067



22.0680, 29.9297, 51.1519



1.9870, 2.7254, 4.5116



# Inverse Universe

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



67.3613, 54.5963, 86.3480



70.6773, 54.0473, 92.1663



69.7268, 71.7913, 48.7120



17.1218, 16.7316, 20.3879



26.9434, 13.1208, 36.0059

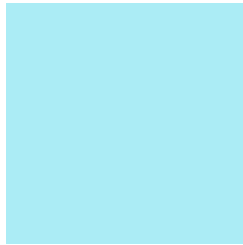


2.3920, 1.1628, 3.2906



# Previews

## White Background



This preview shows how the XYZ color 63.2715, 75.2414, 97.5745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

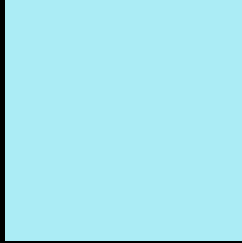
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2715, 75.2414, 97.5745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

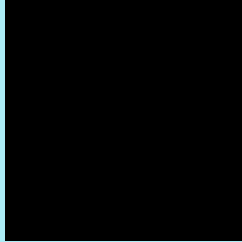
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.2715, 75.2414, 97.5745

## Background



This preview shows how black text looks on a background with the XYZ color 63.2715, 75.2414, 97.5745.



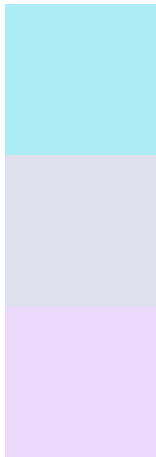
This preview shows how white text looks on a background with the XYZ color 63.2715, 75.2414,



# 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

63.2715, 75.2414, 97.5745

### Protanopia

72.4142, 74.7371, 90.7298

### Deuteranopia

76.4312, 74.6445, 100.0020



## Tritanopia

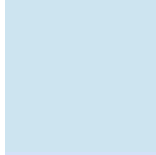
64.6715, 75.3927, 104.0722

# Trichromacy



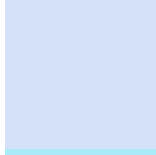
## Original Color

63.2715, 75.2414, 97.5745



## Protanomaly

68.6484, 74.7572, 93.2495



## Deuteranomaly

71.0199, 74.6248, 99.4678



## Tritanomaly

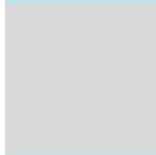
63.9769, 75.0894, 101.5643

# Monochromacy



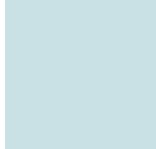
## Original Color

63.2715, 75.2414, 97.5745



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

65.0162, 71.8694, 83.8442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2715, 75.2414, 97.5745 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(171, 236, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 236, 245)  
}
```

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(171, 236, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 236, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2715, 75.2414, 97.5745 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(171, 236, 245) }
```



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

```
.border{ border-color:rgb(171, 236, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 236, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 236, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 236, 245); box-shadow:4px 4px 4px 4px rgb(171, 236, 245) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2715, 75.2414, 97.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 236, 245) }
```

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

```
.background{ background-color: rgb(171,  
236, 245) }
```

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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