

# Converting Colors

XYZ(64.3692, 75.0729, 87.2400)

Have a look what the booklet for  
XYZ(64.3692, 75.0729, 87.2400)  
contains.

<b>XYZ(64.4818, 75.2366, 87.4675)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.4818, 75.2366,  
87.4675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBEAE8
RGB	187, 234, 232
RGB Percent	73%, 92%, 91%
CMY	0.2667, 0.0823, 0.0902
CMYK	0.20, 0.00, 0.01, 0.08
HSL	177°, 53%, 83%
HSV	177°, 20%, 92%
XYZ	64.4818, 75.2366, 87.4675
YIQ	219.7190, -27.3700, -10.5860

# Conversions

## Conversions Part 2

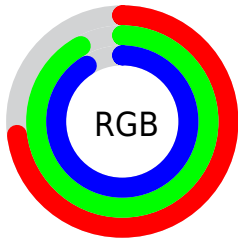
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 211, 234
Decimal	12315368
CIE Lab	89.50, -15.42, -4.02
CIE LCh	90, 15.930, 194.605
Yxy	75.2366, 0.2838, 0.3312
Android (android.graphics.Color)	4290505448 (0xFFBBEAE8)
YUV	219.7190, 6.0545, -28.6946
Hunter-Lab	86.7390, -19.0964, 0.9294

# Details

The XYZ color **64.4818, 75.2366, 87.4675** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8900, 56.7092, 55.8839**, and the grayscale version is **67.8062, 71.3374, 77.6864**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.4297, 39.9619, 47.0258** is the 20% darker color. If you saturate the color by 10%, you get **59.0764, 72.4683, 86.4787**, and if you desaturate by 10%, it is **70.8252, 78.4923, 88.5076**.

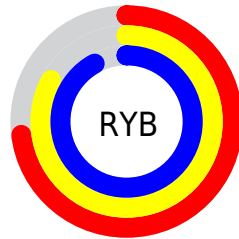
# Distribution



Red (73%)

Green (92%)

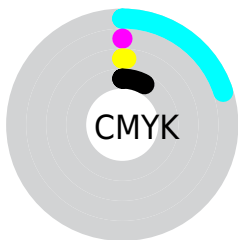
Blue (91%)



Red (73%)

Yellow (83%)

Blue (92%)

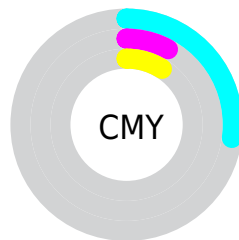


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (27%)

Magenta (8%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4818, 75.2366, 87.4675 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 64.4818, 75.2366, 87.4675 by changing the saturation by 10% instead.



■ 64.4818, 75.2366,  
87.4675

■ 64.4818, 75.2366,  
87.4675

430.5021,  
478.7304, 540.1139

■ 47.3041, 55.8067,  
65.3203

■ 110.3744,  
126.6472, 145.7202

■ 33.4851, 40.0480,  
47.2679

139.8200,  
159.3968, 182.6628

■ 22.6593, 27.5760,  
32.8916

174.0857,  
197.3550, 225.3743

■ 14.4615, 18.0063,  
21.7730

213.5368,  
240.9064, 274.2732

■ 8.5262, 10.9545,  
13.4935

258.5386,  
290.4352, 329.7780

■ 4.4881, 6.0362,  
7.6345

309.4565,

■ 1.9818, 2.8671,

346.3258, 392.3074

3.7776

366.6559,  
408.9628, 462.2799

0.6237, 1.0628,  
1.5041

0.0000, 0.0000,  
0.2210

64.4818, 75.2366,  
87.4675

64.4818, 75.2366,  
87.4675

59.0764, 72.4683,  
86.4787

70.8252, 78.4923,  
88.5076

54.5573, 70.1548,  
85.5340

78.1420, 82.2477,  
89.5958


50.8778, 68.2741,  
84.6327


85.6586, 86.1061,  
90.6976


47.9844, 66.7986,  
83.7724


85.8031, 86.1639,  
91.4587

 45.8172, 65.6973,  
82.9503


 85.9484, 86.2220,  
92.2239


 44.3080, 64.9352,  
82.1631


 86.0946, 86.2805,  
92.9935

 43.3756, 64.4702,  
81.4071

 86.2415, 86.3392,  
93.7673

 42.8831, 64.2319,  
80.6819

 86.3893, 86.3984,  
94.5454

 86.5379, 86.4578,  
95.3278

# Harmonies

## Analogous

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



64.5068, 75.2366, 76.3382



64.4818, 75.2366, 87.4675



66.2921, 75.2366, 97.9815

# Triad

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



64.4818, 75.2366, 87.4675



76.9181, 75.2366, 98.2180



73.5237, 75.2366, 62.8727

# Complementary

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



64.4818, 75.2366, 87.4675



60.8900, 56.7092, 55.8839

# 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.



76.9950, 75.2366, 67.7171



64.4818, 75.2366, 87.4675



79.0028, 75.2366, 87.7672

# Square

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



64.4818, 75.2366, 87.4675



73.4218, 75.2366, 104.5613



79.0315, 75.2366, 76.6119



69.6319, 75.2366, 62.8083

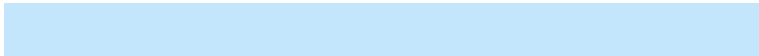


# Rectangle

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



64.4818, 75.2366, 87.4675



68.3355, 75.2366, 102.9410



79.0315, 75.2366, 76.6119



74.7816, 75.2366, 63.9750

# Sweetspot

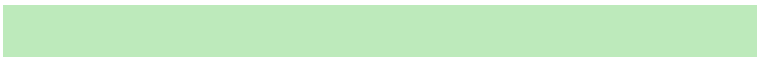
The Sweet Spot groups the original color and five complimentary colors.



64.4840, 75.2397, 87.4692



89.5386, 97.1709, 108.0950



59.4679, 73.3002, 58.0291



19.0422, 20.7356, 23.1183



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.



64.4840, 75.2397, 87.4692



75.5897, 90.0160, 105.8123



59.1035, 64.0208, 87.0876



15.4883, 17.1102, 19.2543



24.1093, 36.0982, 45.4020



1.9018, 2.8380, 3.6106



# Inverse Universe

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



60.8900, 56.7092, 55.8839



70.4976, 63.7587, 61.0595



65.4964, 66.2678, 56.3540



15.0915, 15.0644, 15.7671



19.1101, 9.8467, 1.1150

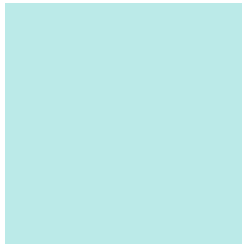


1.5098, 0.7769, 0.1359



# Previews

## White Background



This preview shows how the XYZ color 64.4818, 75.2366, 87.4675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

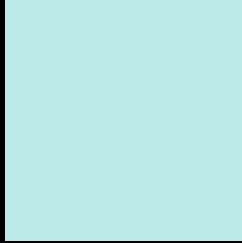
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.4818, 75.2366, 87.4675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

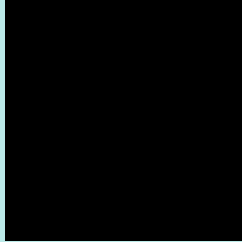
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.4818, 75.2366, 87.4675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.4818, 75.2366, 87.4675.



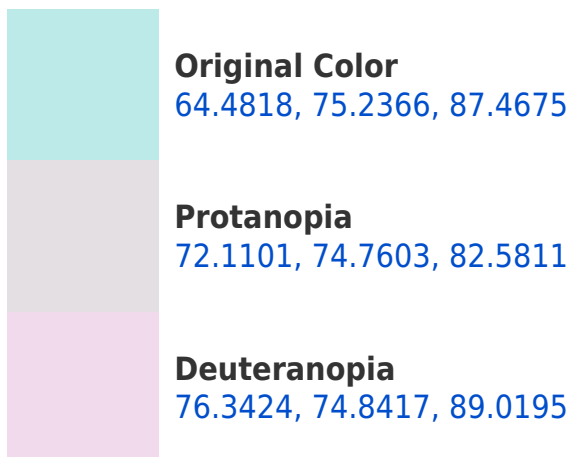
This preview shows how white text looks on a background with the XYZ color 64.4818, 75.2366, 87.4675.



# 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

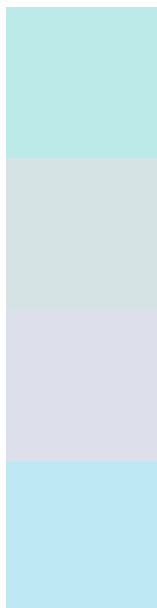




## Tritanopia

67.3171, 75.1303, 101.3961

# Trichromacy



## Original Color

64.4818, 75.2366, 87.4675

## Protanomaly

68.9132, 74.6857, 84.1825

## Deuteranomaly

71.3257, 74.6240, 88.4865

## Tritanomaly

66.2695, 75.1314, 95.8031

# Monochromacy



## Original Color

64.4818, 75.2366, 87.4675

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.3922, 72.6421, 81.0431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4818, 75.2366, 87.4675 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(187, 234, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 234, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4818, 75.2366, 87.4675 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, 232) }
```



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

```
.border{ border-color:rgb(187, 234, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(187, 234,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4818, 75.2366, 87.4675 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, 232) }
```

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

```
.background{ background-color: rgb(187,  
234, 232) }
```

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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