

Converting Colors

XYZ(63.2143, 75.0879, 84.5331)

Have a look what the booklet for
XYZ(63.2143, 75.0879, 84.5331)
contains.

XYZ(63.2404, 75.0854, 84.5586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.2404, 75.0854,
84.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EBE4
RGB	183, 235, 228
RGB Percent	72%, 92%, 89%
CMY	0.2823, 0.0784, 0.1059
CMYK	0.22, 0.00, 0.03, 0.08
HSL	172°, 57%, 82%
HSV	172°, 22%, 92%
XYZ	63.2404, 75.0854, 84.5586
YIQ	218.6540, -28.7450, -13.2010

Conversions

Conversions Part 2

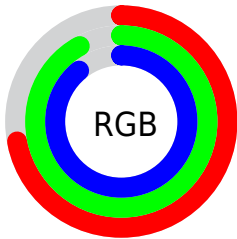
Format	Color
RYB	183, 211, 235
Decimal	12053476
CIELab	89.43, -17.95, -2.05
CIELCh	89, 18.065, 186.530
Yxy	75.0854, 0.2837, 0.3369
Android (android.graphics.Color)	4290243556 (0xFFB7EBE4)
YUV	218.6540, 4.6076, -31.2686
Hunter-Lab	86.6518, -21.3675, 2.7985

Details

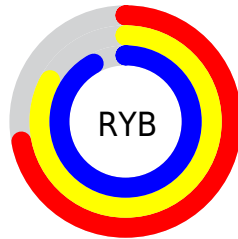
The XYZ color **63.2404, 75.0854, 84.5586** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4914, 55.2490, 56.1943**, and the grayscale version is **67.0774, 70.5707, 76.8514**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **32.7162, 39.9245, 45.5170** is the 20% darker color. If you saturate the color by 10%, you get **57.6759, 72.2691, 82.0271**, and if you desaturate by 10%, it is **69.7505, 78.3922, 87.1796**.

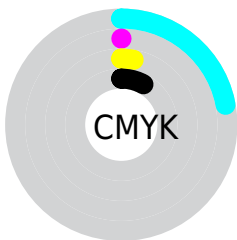
Distribution



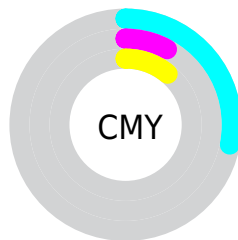
- Red (72%)
- Green (92%)
- Blue (89%)



- Red (72%)
- Yellow (83%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (28%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2404, 75.0854, 84.5586 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 63.2404, 75.0854, 84.5586 by changing the saturation by 10% instead.


 63.2404, 75.0854,
84.5586

 63.2404, 75.0854,
84.5586


426.0872,
478.2110, 530.2728

 46.2951, 55.6829,
62.9287


 108.5961,
126.4332, 141.6250

 32.6844, 39.9487,
45.3429


137.7373,
159.1473, 177.8985

 22.0428, 27.4986,
31.3827


171.6744,
197.0674, 219.8904

 14.0052, 17.9480,
20.6295

210.7728,
240.5778, 268.0190

 8.2060, 10.9127,
12.6649

255.3980,
290.0630, 322.7031

 4.2799, 6.0081,
7.0702

305.9152,

 1.8617, 2.8500,

345.9073, 384.3610

3.4269

362.6898,
408.4952, 453.4114

■ 0.5544, 1.0539,
1.3165

■ 0.0000, 0.0000,
0.0753

■ 63.2404, 75.0854,
84.5586

■ 63.2404, 75.0854,
84.5586

■ 57.6759, 72.2691,
82.0271

■ 69.7505, 78.3922,
87.1796

■ 53.0042, 69.9101,
79.5775


■ 77.2429, 82.2025,
89.8871


■ 49.1771, 67.9856,
77.2089


■ 85.7601, 86.5402,
92.6851

■ 46.1394, 66.4672,
74.9187


■ 86.7762, 87.0100,
95.1746

 43.8290, 65.3228,
72.7036


 87.2523, 87.2004,
97.6818


 42.1748, 64.5157,
70.5600

 87.7367, 87.3942,
100.2323

 41.0907, 64.0017,
68.4838

 88.2293, 87.5912,
102.8266

 40.5318, 63.7482,
66.8916

 88.7303, 87.7916,
105.4647

 88.9997, 87.8994,
106.8832

Harmonies

Analogous

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



63.8409, 75.0854, 72.4269



63.2404, 75.0854, 84.5586



64.7437, 75.0854, 97.1390

Triad

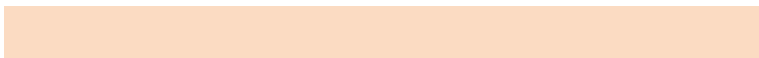
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.2404, 75.0854, 84.5586



76.5532, 75.0854, 102.9467



74.8099, 75.0854, 61.3737

Complementary

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



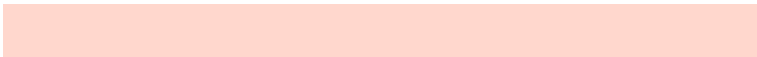
63.2404, 75.0854, 84.5586



60.4914, 55.2490, 56.1943

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.



78.4260, 75.0854, 68.0880



63.2404, 75.0854, 84.5586



79.4612, 75.0854, 91.8520

Square

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



63.2404, 75.0854, 84.5586



72.3387, 75.0854, 108.4410



80.1603, 75.0854, 79.0145



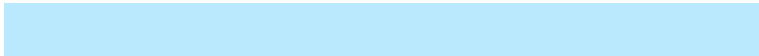
70.4029, 75.0854, 59.8514

Rectangle

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



63.2404, 75.0854, 84.5586



66.7749, 75.0854, 103.8197



80.1603, 75.0854, 79.0145



76.1638, 75.0854, 63.0618

Sweetspot

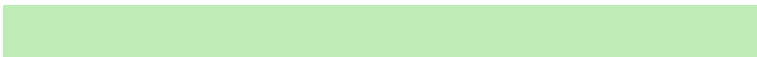
The Sweet Spot groups the original color and five complimentary colors.



63.2426, 75.0885, 84.5603



88.4005, 96.6165, 106.5812



59.6935, 73.8892, 55.9170



18.8047, 20.6206, 22.7705



0.0000, 0.0000, 0.0000



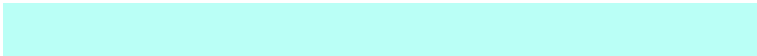
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2426, 75.0885, 84.5603



72.6390, 88.6150, 100.2461



59.2875, 65.5907, 88.1363



15.4253, 17.0849, 18.9226



22.5916, 35.4911, 37.4098



1.7982, 2.7966, 3.0649

Inverse Universe

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



60.4914, 55.2490, 56.1943



68.7286, 60.4003, 59.9162



63.7441, 62.9501, 53.5921



15.1481, 15.0871, 16.0649



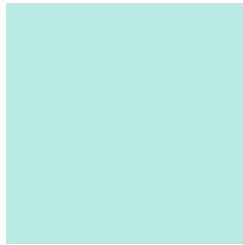
19.2367, 9.8974, 1.7816



1.5368, 0.7877, 0.2781

Previews

White Background



This preview shows how the XYZ color 63.2404, 75.0854, 84.5586 looks on a white background.

Color Contrast Check

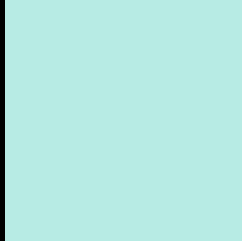
Large Text (above 18pt) WCAG AA × Fail

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 63.2404, 75.0854, 84.5586 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

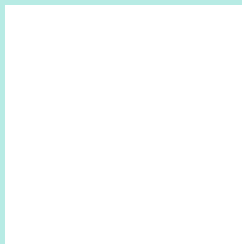
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2404, 75.0854, 84.5586

Background



This preview shows how black text looks on a background with the XYZ color 63.2404, 75.0854, 84.5586.

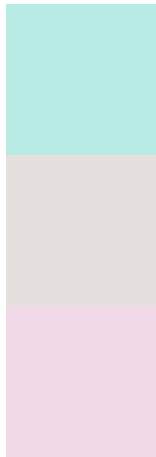


This preview shows how white text looks on a background with the XYZ color 63.2404, 75.0854,

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

63.2404, 75.0854, 84.5586

Protanopia

71.7519, 74.6538, 79.0345

Deuteranopia

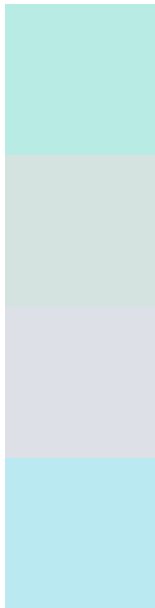
75.9963, 74.3291, 86.6855



Tritanopia

66.6054, 75.1801, 101.4432

Trichromacy



Original Color

63.2404, 75.0854, 84.5586

Protanomaly

68.0750, 74.3170, 81.2777

Deuteranomaly

70.8983, 74.4530, 86.2354

Tritanomaly

65.4156, 75.1277, 95.0577

Monochromacy



Original Color

63.2404, 75.0854, 84.5586

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.5636, 72.2462, 79.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2404, 75.0854, 84.5586 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(183, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(183, 235, 228)  
}
```

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(183, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 235, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.2404, 75.0854, 84.5586 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(183, 235, 228) }
```


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

```
.border{ border-color:rgb(183, 235, 228) }
```

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

Here you see how a box with a 4 pixel rgb(183, 235, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(183, 235,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2404, 75.0854, 84.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 235, 228) }
```

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

```
.background{ background-color: rgb(183,  
235, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor