

Converting Colors

XYZ(63.2716, 74.1058, 77.6133)

Have a look what the booklet for
XYZ(63.2716, 74.1058, 77.6133)
contains.

XYZ(63.2497, 73.9816, 77.2759)	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(63.2497, 73.9816,
77.2759)**

Conversions

Conversions Part 1

Format	Color
Hex	C0E8DA
RGB	192, 232, 218
RGB Percent	75%, 91%, 85%
CMY	0.2471, 0.0902, 0.1451
CMYK	0.17, 0.00, 0.06, 0.09
HSL	159°, 47%, 83%
HSV	159°, 17%, 91%
XYZ	63.2497, 73.9816, 77.2759
YIQ	218.4440, -19.3460, -12.8340

Conversions

Conversions Part 2

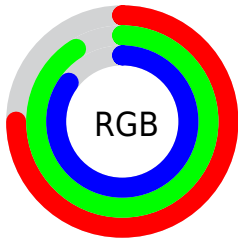
Format	Color
RYB	192, 216, 232
Decimal	12642522
CIELab	88.91, -15.69, 2.49
CIELCh	89, 15.885, 170.991
Yxy	73.9816, 0.2949, 0.3449
Android (android.graphics.Color)	4290832602 (0xFFC0E8DA)
YUV	218.4440, -0.2189, -23.1914
Hunter-Lab	86.0126, -19.2612, 6.9411

Details

The XYZ color **63.2497, 73.9816, 77.2759** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2715, 59.3132, 66.5096**, and the grayscale version is **66.9597, 70.4469, 76.7166**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **32.6174, 39.0983, 40.4779** is the 20% darker color. If you saturate the color by 10%, you get **56.7955, 70.7762, 71.5623**, and if you desaturate by 10%, it is **70.6861, 77.6914, 83.3105**.

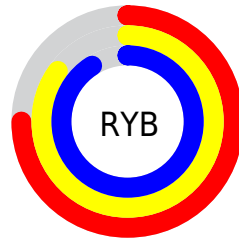
Distribution



Red (75%)

Green (91%)

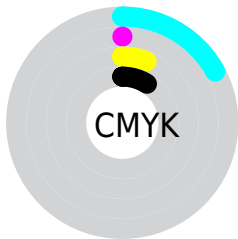
Blue (85%)



Red (75%)

Yellow (85%)

Blue (91%)

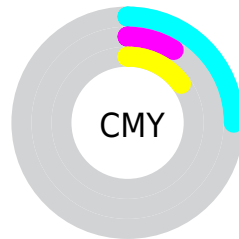


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (25%)


Magenta (9%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2497, 73.9816, 77.2759 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 63.2497, 73.9816, 77.2759 by changing the saturation by 10% instead.


 63.2497, 73.9816,
77.2759

 63.2497, 73.9816,
77.2759


426.1204,
474.4099, 505.1668

 46.3026, 54.7790,
56.9664


 108.6095,
124.8697, 131.3054

 32.6903, 39.2248,
40.5691


137.7529,
157.3240, 165.8626

 22.0474, 26.9346,
27.6654


171.6925,
194.9643, 206.0060

 14.0086, 17.5241,
17.8367

210.7936,
238.1750, 252.1543

 8.2084, 10.6089,
10.6646

255.4216,
287.3406, 304.7260

 4.2815, 5.8045,
5.7305

305.9418,

 1.8626, 2.7266,

342.8453, 364.1396

2.6158

362.7196,
405.0736, 430.8137

■ 0.5549, 0.9907,
0.9006

■ 0.0000, 0.0000,
0.0000

■ 63.2497, 73.9816,
77.2759

■ 63.2497, 73.9816,
77.2759

■ 56.7955, 70.7762,
71.5623

■ 70.6861, 77.6914,
83.3105

■ 51.2733, 68.0433,
66.1588

■ 79.1397, 81.9175,
89.6667

■ 46.6378, 65.7616,
61.0609

■ 86.1800, 85.4087,
96.2362

■ 42.8370, 63.9045,
56.2621

■ 87.4298, 85.9087,
102.8176

■ 39.8136, 62.4425,
51.7557

■ 88.1480, 86.1959,
106.5993

■ 37.5027, 61.3422,
47.5344

■ 35.8282, 60.5645,
43.5902

■ 34.6903, 60.0581,
39.9142

■ 34.4269, 59.9435,
38.9449

Harmonies

Analogous

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



64.7151, 73.9816, 67.9204



63.2497, 73.9816, 77.2759



63.6235, 73.9816, 88.3972

Triad

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



63.2497, 73.9816, 77.2759



73.0053, 73.9816, 102.0354



75.0853, 73.9816, 65.1628

Complementary

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



63.2497, 73.9816, 77.2759



63.2715, 59.3132, 66.5096

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.



77.4649, 73.9816, 73.1879



63.2497, 73.9816, 77.2759



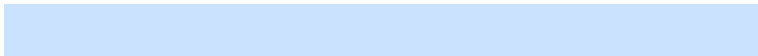
76.2338, 73.9816, 94.6630

Square

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



63.2497, 73.9816, 77.2759



69.1634, 73.9816, 103.3836



77.8927, 73.9816, 83.9223



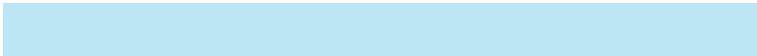
71.4840, 73.9816, 61.3589

Rectangle

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



63.2497, 73.9816, 77.2759



64.8712, 73.9816, 95.2908



77.8927, 73.9816, 83.9223



76.0600, 73.9816, 67.4196

Sweetspot

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



63.2518, 73.9847, 77.2776



89.8035, 97.3774, 104.9470



64.0125, 74.7396, 60.9227



19.0694, 20.7667, 22.3458



0.0000, 0.0000, 0.0000



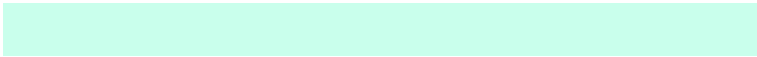
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2518, 73.9847, 77.2776



75.1459, 90.0709, 92.9758



63.6841, 71.7916, 86.8482



14.5819, 16.2462, 17.3293



19.1734, 33.3014, 21.9450



1.4604, 2.4783, 1.8511

Inverse Universe

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



63.2715, 59.3132, 66.5096



75.1759, 68.4211, 77.0903



62.8375, 61.0476, 58.3418



14.5843, 14.4509, 16.0112



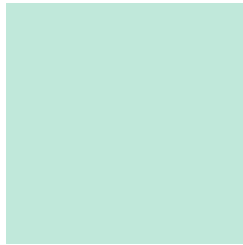
19.3579, 9.8774, 5.5137



1.4732, 0.7470, 0.6325

Previews

White Background



This preview shows how the XYZ color 63.2497, 73.9816, 77.2759 looks on a white background.

Color Contrast Check

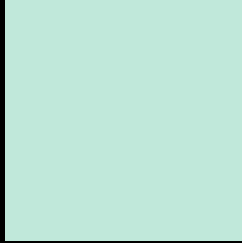
Large Text (above 18pt) WCAG AA × Fail

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 63.2497, 73.9816, 77.2759 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

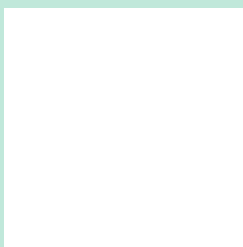
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2497, 73.9816, 77.2759

Background



This preview shows how black text looks on a background with the XYZ color 63.2497, 73.9816, 77.2759.

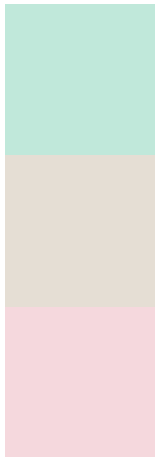


This preview shows how white text looks on a background with the XYZ color 63.2497, 73.9816,

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

63.2497, 73.9816, 77.2759

Protanopia

70.3180, 73.6540, 72.7978

Deuteranopia

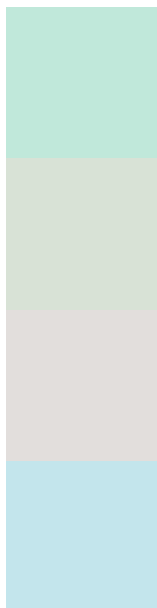
75.2632, 73.7447, 78.6740



Tritanopia

67.4039, 74.0109, 97.9218

Trichromacy



Original Color

63.2497, 73.9816, 77.2759

Protanomaly

67.6529, 73.8467, 74.3065

Deuteranomaly

70.4036, 73.5786, 78.2016

Tritanomaly

65.6653, 73.6969, 90.1209

Monochromacy



Original Color

63.2497, 73.9816, 77.2759

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3371, 71.3926, 76.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2497, 73.9816, 77.2759 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(192, 232, 218)` looks like.

```
.text, #text, p{  
    color:rgb(192, 232, 218)  
}
```

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(192, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 232, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.2497, 73.9816, 77.2759 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(192, 232, 218) }
```


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

```
.border{ border-color:rgb(192, 232, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(192, 232,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2497, 73.9816, 77.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 232, 218) }
```

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

```
.background{ background-color: rgb(192,  
232, 218) }
```

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