

Converting Colors

XYZ(59.5680, 75.0243, 69.8721)

Have a look what the booklet for
XYZ(59.5680, 75.0243, 69.8721)
contains.

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Color

**XYZ(59.6863, 75.3032,
69.7817)**

Conversions

Conversions Part 1

Format	Color
Hex	AFEFCE
RGB	175, 239, 206
RGB Percent	69%, 94%, 81%
CMY	0.3137, 0.0627, 0.1921
CMYK	0.27, 0.00, 0.14, 0.06
HSL	149°, 67%, 81%
HSV	149°, 27%, 94%
XYZ	59.6863, 75.3032, 69.7817
YIQ	216.1020, -27.5510, -23.8310

Conversions

Conversions Part 2

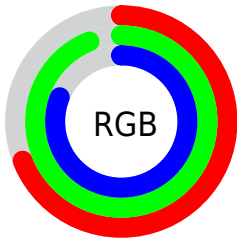
Format	Color
RYB	175, 218, 239
Decimal	11530190
CIELab	89.53, -26.72, 9.52
CIElCh	90, 28.368, 160.387
Yxy	75.3032, 0.2915, 0.3677
Android (android.graphics.Color)	4289720270 (0xFFAFEFCE)
YUV	216.1020, -4.9803, -36.0465
Hunter-Lab	86.7774, -29.0865, 13.0664

Details

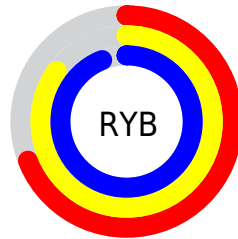
The XYZ color **59.6863, 75.3032, 69.7817** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3144, 53.5666, 66.7328**, and the grayscale version is **65.3878, 68.7930, 74.9156**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **30.4861, 40.1989, 35.8581** is the 20% darker color. If you saturate the color by 10%, you get **53.3507, 72.2054, 61.9745**, and if you desaturate by 10%, it is **67.0929, 78.9436, 78.2551**.

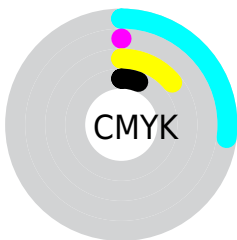
Distribution



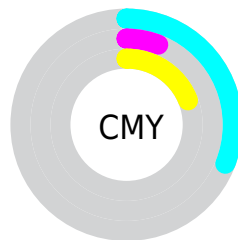
- Red (69%)
- Green (94%)
- Blue (81%)



- Red (69%)
- Yellow (85%)
- Blue (94%)



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (31%)
- Magenta (6%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6863, 75.3032, 69.7817 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 59.6863, 75.3032, 69.7817 by changing the saturation by 10% instead.


 59.6863, 75.3032,
69.7817

 59.6863, 75.3032,
69.7817


413.2938,
478.9591, 478.5515

 43.4143, 55.8613,
50.8729


 103.4834,
126.7415, 120.5756

 30.4063, 40.0917,
35.7314


131.7393,
159.5066, 153.2977

 20.2968, 27.6101,
23.9388


164.7204,
197.4817, 191.4614

 12.7205, 18.0319,
15.0764

202.7923,
241.0510, 235.4851

 7.3120, 10.9729,
8.7258

246.3202,
290.5990, 285.7875

 3.7060, 6.0486,
4.4684


295.6695,


 1.5372, 2.8747,


346.5101, 342.7870


1.8857


351.2056,
409.1687, 406.9021


 0.3509, 1.0667,
0.4836


 0.0000, 0.0000,
0.0000


 59.6863, 75.3032,
69.7817


 59.6863, 75.3032,
69.7817


 53.3507, 72.2054,
61.9745


 67.0929, 78.9436,
78.2551


 48.0271, 69.6140,
54.8120

 75.6131, 83.1423,
87.4055

 43.6601, 67.5028,
48.2787

 85.2950, 87.9256,
97.2497

 40.1864, 65.8395,
42.3566

 90.1579, 90.2158,
107.2693

■ 37.5342, 64.5875,
37.0267

■ 35.6199, 63.7040,
32.2688

■ 34.3382, 63.1350,
28.0607

■ 34.0065, 62.9912,
26.8168

Harmonies

Analogous

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



63.2430, 75.3032, 56.1136



59.6863, 75.3032, 69.7817



59.1938, 75.3032, 89.1028

Triad

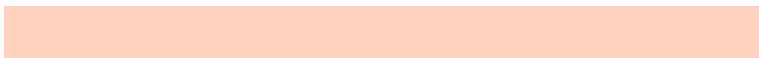
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.6863, 75.3032, 69.7817



74.0149, 75.3032, 125.7936



82.2649, 75.3032, 59.5697

Complementary

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



59.6863, 75.3032, 69.7817



62.3144, 53.5666, 66.7328

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.



85.5689, 75.3032, 75.2707



59.6863, 75.3032, 69.7817



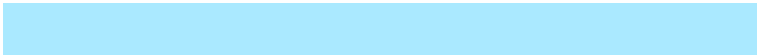
80.6051, 75.3032, 114.8086

Square

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



59.6863, 75.3032, 69.7817



67.1721, 75.3032, 123.6818



84.9425, 75.3032, 95.5504



76.1629, 75.3032, 50.9135

Rectangle

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



59.6863, 75.3032, 69.7817



60.6327, 75.3032, 102.9610



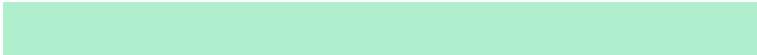
84.9425, 75.3032, 95.5504



83.7570, 75.3032, 64.0834

Sweetspot

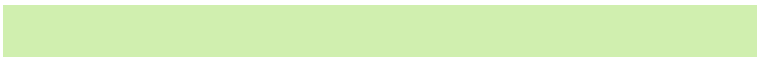
The Sweet Spot groups the original color and five complimentary colors.



59.6884, 75.3063, 69.7834



86.2913, 95.6751, 99.8903



64.6381, 78.2511, 52.2557



18.1381, 20.3148, 21.0304



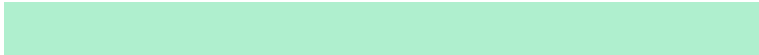
0.0000, 0.0000, 0.0000



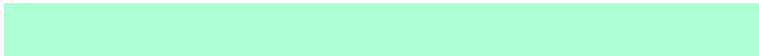
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6884, 75.3063, 69.7834



65.0827, 85.2501, 75.9243



63.9711, 77.0194, 92.3358



15.8849, 17.7840, 18.4167



18.8576, 34.8351, 15.1651



1.6189, 2.9180, 1.5253

Inverse Universe

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



62.3144, 53.5666, 66.7328



68.5875, 56.2316, 71.8506



58.7719, 52.1496, 48.0783



16.1131, 15.8950, 18.1518



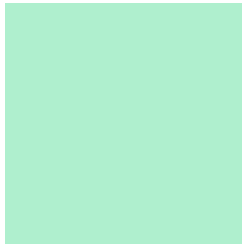
21.7222, 10.9613, 11.7196



1.8574, 0.9320, 1.2397

Previews

White Background



This preview shows how the XYZ color 59.6863, 75.3032, 69.7817 looks on a white background.

Color Contrast Check

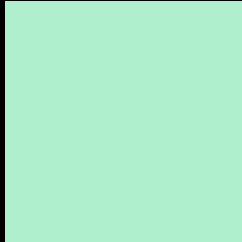
Large Text (above 18pt) WCAG AA × Fail

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 59.6863, 75.3032, 69.7817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

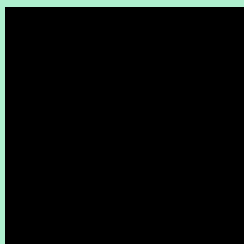
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

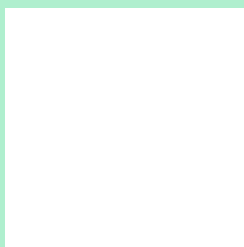
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6863, 75.3032, 69.7817

Background



This preview shows how black text looks on a background with the XYZ color 59.6863, 75.3032, 69.7817.



This preview shows how white text looks on a background with the XYZ color 59.6863, 75.3032,

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

59.6863, 75.3032, 69.7817

Protanopia

70.7804, 74.8810, 64.1490

Deuteranopia

76.3544, 74.8381, 72.0489



Tritanopia

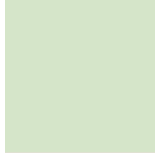
66.3187, 75.4332, 102.3315

Trichromacy



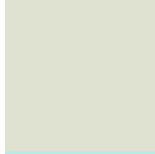
Original Color

59.6863, 75.3032, 69.7817



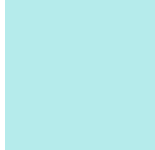
Protanomaly

66.0025, 74.4018, 66.1406



Deuteranomaly

68.8653, 74.1419, 71.0028



Tritanomaly

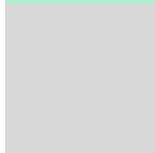
63.7598, 75.2386, 89.7593

Monochromacy



Original Color

59.6863, 75.3032, 69.7817



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.6267, 70.4823, 72.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6863, 75.3032, 69.7817 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(175, 239, 206)` looks like.

```
.text, #text, p{  
    color:rgb(175, 239, 206)  
}
```

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(175, 239, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 239, 206) }
```

Border

The CSS property to change the border of an element to XYZ 59.6863, 75.3032, 69.7817 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(175, 239, 206) }
```


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

```
.border{ border-color:rgb(175, 239, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 239, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 239, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 239, 206);  
box-shadow:4px 4px 4px 4px rgb(175, 239,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6863, 75.3032, 69.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 239, 206) }
```

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

```
.background{ background-color: rgb(175,  
239, 206) }
```

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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