

Converting Colors

XYZ(63.8171, 68.8923, 95.1629)

Have a look what the booklet for
XYZ(63.8171, 68.8923, 95.1629)
contains.

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Color

**XYZ(63.9147, 69.0555,
95.5483)**

Conversions

Conversions Part 1

Format	Color
Hex	C1DCF4
RGB	193, 220, 244
RGB Percent	76%, 86%, 96%
CMY	0.2431, 0.1372, 0.0431
CMYK	0.21, 0.10, 0.00, 0.04
HSL	208°, 70%, 86%
HSV	208°, 21%, 96%
XYZ	63.9147, 69.0555, 95.5483
YIQ	214.6630, -23.7960, 1.7400

Conversions

Conversions Part 2

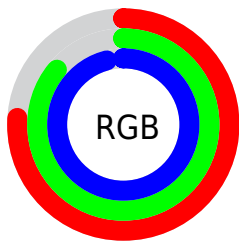
Format	Color
R _Y B	193, 211, 244
Decimal	12705012
CIE Lab	86.53, -3.90, -14.70
CIE LCh	87, 15.206, 255.156
Yxy	69.0555, 0.2797, 0.3022
Android (android.graphics.Color)	4290895092 (0xFFC1DCF4)
YUV	214.6630, 14.4631, -18.9985
Hunter-Lab	83.0996, -8.1341, -10.0021

Details

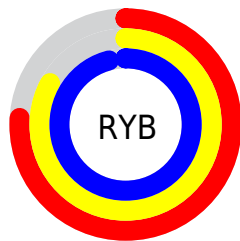
The XYZ color **63.9147, 69.0555, 95.5483** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7475, 72.7094, 60.7066**, and the grayscale version is **64.2821, 67.6297, 73.6488**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.1797, 36.0301, 52.7827** is the 20% darker color. If you saturate the color by 10%, you get **55.2901, 60.2902, 94.3121**, and if you desaturate by 10%, it is **73.7767, 78.7694, 96.9046**.

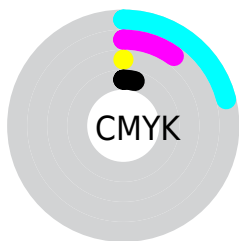
Distribution



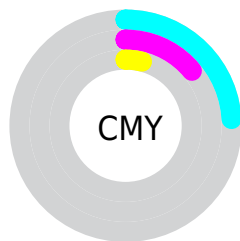
- Red (76%)
- Green (86%)
- Blue (96%)



- Red (76%)
- Yellow (83%)
- Blue (96%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (24%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9147, 69.0555, 95.5483 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 63.9147, 69.0555, 95.5483 by changing the saturation by 10% instead.

■ 63.9147, 69.0555,
95.5483

■ 63.9147, 69.0555,
95.5483

428.4886,
457.2267, 566.9479

■ 46.8430, 50.7569,
71.9920

■ 109.5625,
117.8608, 157.0240

■ 33.1190, 36.0152,
52.6653

138.8693,
149.1364, 195.7804

■ 22.3773, 24.4459,
37.1498

172.9852,
185.5064, 240.4407

■ 14.2525, 15.6647,
25.0268

212.2756,
227.3552, 291.4233

■ 8.3794, 9.2872,
15.8778

257.1058,
275.0672, 349.1468

■ 4.3925, 4.9290,
9.2843

307.8411,

■ 1.9265, 2.2057,

329.0269, 414.0297

4.8278

364.8469,
389.6186, 486.4906

■ 0.5922, 0.7231,
2.0896

■ 0.0000, 0.0000,
0.6096

■ 63.9147, 69.0555,
95.5483

■ 63.9147, 69.0555,
95.5483

■ 55.2901, 60.2902,
94.3121

■ 73.7767, 78.7694,
96.9046

■ 47.8421, 52.4308,
93.1877

■ 84.9205, 89.4557,
98.3799

■ 41.5142, 45.4436,
92.1725

■ 93.1536, 98.9603,
99.7806

■ 36.2419, 39.2890,
91.2624

■ 93.3293, 99.3117,
99.8391

■ 31.9539, 33.9232,
90.4527

■ 28.5688, 29.2974,
89.7383

■ 25.9896, 25.3544,
89.1131

■ 24.2044, 22.2819,
88.6142

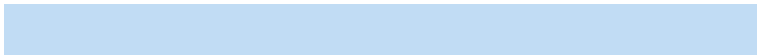
Harmonies

Analogous

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



60.9725, 69.0555, 89.8034



63.9147, 69.0555, 95.5483



67.4225, 69.0555, 95.5163

Triad

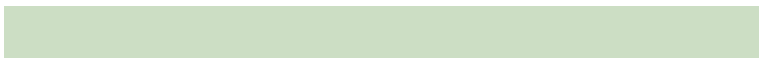
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9147, 69.0555, 95.5483



72.3942, 69.0555, 70.2300



60.9477, 69.0555, 62.3200

Complementary

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



63.9147, 69.0555, 95.5483



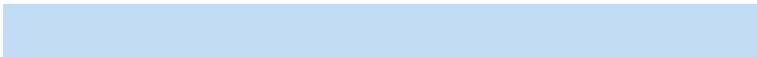
71.7475, 72.7094, 60.7066

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.



63.8798, 69.0555, 57.9731



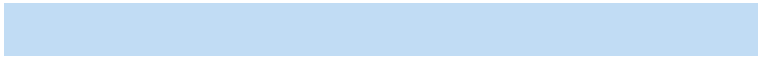
63.9147, 69.0555, 95.5483



70.5297, 69.0555, 62.2542

Square

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



63.9147, 69.0555, 95.5483



72.4044, 69.0555, 80.2711



67.3863, 69.0555, 57.9502



59.3016, 69.0555, 70.3274

Rectangle

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



63.9147, 69.0555, 95.5483



69.6141, 69.0555, 92.1956



67.3863, 69.0555, 57.9502



61.8108, 69.0555, 60.4152

Sweetspot

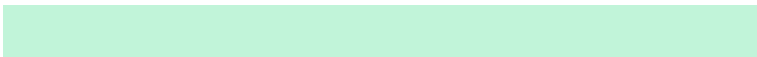
The Sweet Spot groups the original color and five complimentary colors.



63.9168, 69.0583, 95.5499



87.3896, 92.7051, 107.8957



66.8428, 81.0395, 77.6301



18.5333, 19.6779, 23.0714



0.0000, 0.0000, 0.0000



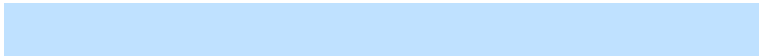
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9168, 69.0583, 95.5499



66.5248, 72.1808, 105.0338



57.7710, 56.7668, 93.5013



16.3075, 17.3793, 21.0376



13.2990, 12.3918, 48.2289



1.2717, 1.2949, 4.2731

Inverse Universe

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



69.2982, 62.5421, 76.1327



73.5164, 64.0671, 79.7277



78.7766, 86.7676, 63.0497



16.8658, 16.6292, 19.0399



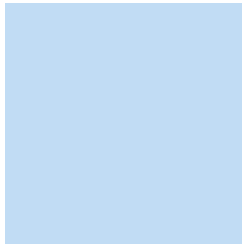
22.5172, 11.3503, 12.6980



2.0310, 1.0184, 1.3895

Previews

White Background



This preview shows how the XYZ color 63.9147, 69.0555, 95.5483 looks on a white background.

Color Contrast Check

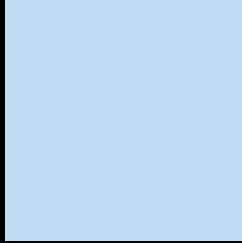
Large Text (above 18pt) WCAG AA × Fail

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 63.9147, 69.0555, 95.5483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

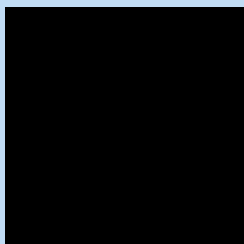
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

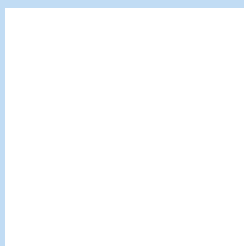
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9147, 69.0555, 95.5483

Background



This preview shows how black text looks on a background with the XYZ color 63.9147, 69.0555, 95.5483.



This preview shows how white text looks on a background with the XYZ color 63.9147, 69.0555,

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

63.9147, 69.0555, 95.5483

Protanopia

67.6182, 69.0979, 92.9925

Deuteranopia

70.3602, 68.9303, 96.7853



Tritanopia

63.1747, 69.1514, 91.6792

Trichromacy



Original Color

63.9147, 69.0555, 95.5483

Protanomaly

66.2935, 69.1583, 93.8593

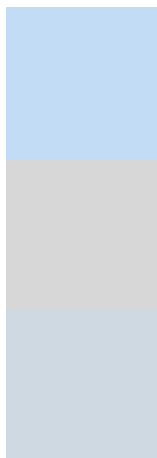
Deuteranomaly

67.6794, 68.6828, 96.0762

Tritanomaly

63.4719, 69.2702, 93.2443

Monochromacy



Original Color

63.9147, 69.0555, 95.5483

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2724, 68.3821, 81.7630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9147, 69.0555, 95.5483 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(193, 220, 244)` looks like.

```
.text, #text, p{  
    color:rgb(193, 220, 244)  
}
```

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(193, 220, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 220, 244) }
```

Border

The CSS property to change the border of an element to XYZ 63.9147, 69.0555, 95.5483 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(193, 220, 244) }
```


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

```
.border{ border-color:rgb(193, 220, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 220, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 220, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 220, 244);  
box-shadow:4px 4px 4px 4px rgb(193, 220,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9147, 69.0555, 95.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 220, 244) }
```

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

```
.background{ background-color: rgb(193,  
220, 244) }
```

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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