

Converting Colors

XYZ(63.8096, 65.6236, 91.8058)

Have a look what the booklet for
XYZ(63.8096, 65.6236, 91.8058)
contains.

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Color

**XYZ(63.9243, 65.7172,
91.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD3F0
RGB	204, 211, 240
RGB Percent	80%, 83%, 94%
CMY	0.2000, 0.1725, 0.0588
CMYK	0.15, 0.12, 0.00, 0.06
HSL	228°, 55%, 87%
HSV	228°, 15%, 94%
XYZ	63.9243, 65.7172, 91.7536
YIQ	212.2130, -13.4810, 7.5350

Conversions

Conversions Part 2

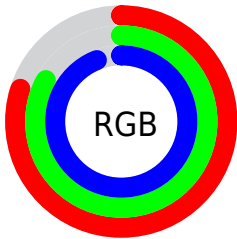
Format	Color
R_{YB}	204, 210, 240
Decimal	13423600
CIE Lab	84.85, 3.37, -15.03
CIE LCh	85, 15.398, 282.626
Yxy	65.7172, 0.2887, 0.2968
Android (android.graphics.Color)	4291613680 (0xFFCCD3F0)
YUV	212.2130, 13.6990, -7.2028
Hunter-Lab	81.0661, -1.1105, -10.3603

Details

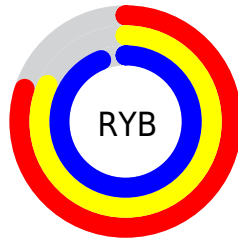
The XYZ color **63.9243, 65.7172, 91.7536** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.9736, 81.1625, 68.7899**, and the grayscale version is **62.6408, 65.9030, 71.7683**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2864, 34.0587, 50.1670** is the 20% darker color. If you saturate the color by 10%, you get **53.3292, 53.5507, 89.9647**, and if you desaturate by 10%, it is **76.1146, 79.5668, 93.7854**.

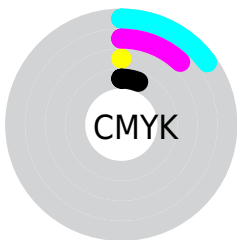
Distribution



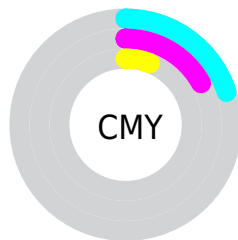
- Red (80%)
- Green (83%)
- Blue (94%)



- Red (80%)
- Yellow (82%)
- Blue (94%)



- Cyan (15%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9243, 65.7172, 91.7536 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 63.9243, 65.7172, 91.7536 by changing the saturation by 10% instead.

■ 63.9243, 65.7172,
91.7536

■ 63.9243, 65.7172,
91.7536

428.5228,
445.3648, 554.4355

■ 46.8508, 48.0429,
68.8541

109.5763,
113.0803, 151.7286

■ 33.1252, 33.8608,
50.1219

138.8854,
143.5379, 189.6411

■ 22.3821, 22.7867,
35.1384

173.0039,
179.0254, 233.3951

■ 14.2561, 14.4361,
23.4851

212.2970,
219.9272, 283.4091

■ 8.3819, 8.4246,
14.7434

257.1301,
266.6276, 340.1016

■ 4.3941, 4.3678,
8.4949

307.8685,

■ 1.9274, 1.8814,

319.5111, 403.8911

4.3209

364.8776,
378.9620, 475.1962

■ 0.5927, 0.5371,
1.8030

■ 0.0000, 0.0000,
0.4299

■ 63.9243, 65.7172,
91.7536

■ 63.9243, 65.7172,
91.7536

■ 53.3292, 53.5507,
89.9647

■ 76.1146, 79.5668,
93.7854

■ 44.2566, 42.9946,
88.4053

■ 89.9568, 95.1524,
96.0642

■ 36.6372, 33.9826,
87.0675

■ 92.7284, 99.0714,
96.6745

■ 30.3936, 26.4409,
85.9408

■ 25.4411, 20.2891,
85.0144

■ 21.6855, 15.4391,
84.2762

■ 19.0186, 11.7917,
83.7128

■ 17.3113, 9.2320,
83.3087

■ 16.7323, 8.2992,
83.1592

Harmonies

Analogous

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



60.5011, 65.7172, 91.2733



63.9243, 65.7172, 91.7536



67.0659, 65.7172, 86.4730

Triad

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



63.9243, 65.7172, 91.7536



67.4745, 65.7172, 59.4382



56.3393, 65.7172, 66.0272

Complementary

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



63.9243, 65.7172, 91.7536



75.9736, 81.1625, 68.7899

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.



58.0742, 65.7172, 58.4595



63.9243, 65.7172, 91.7536



64.4653, 65.7172, 54.9029

Square

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



63.9243, 65.7172, 91.7536



69.1657, 65.7172, 67.4797



61.0226, 65.7172, 54.5620



56.2065, 65.7172, 75.7908

Rectangle

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



63.9243, 65.7172, 91.7536



68.5438, 65.7172, 80.6561



61.0226, 65.7172, 54.5620



56.7515, 65.7172, 63.1654

Sweetspot

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



63.9263, 65.7199, 91.7551



88.8312, 92.9861, 107.8739



70.7426, 81.0305, 88.8542



18.7706, 19.6282, 23.0493



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.



63.9263, 65.7199, 91.7551



69.4515, 70.9474, 104.6415



65.2880, 63.8953, 91.3311



15.1461, 15.7264, 19.9588



9.2321, 4.6884, 45.5462



0.8349, 0.5238, 3.8113

Inverse Universe

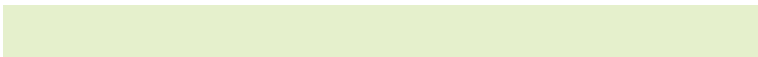
The Inverse Universe completely reimagines the original color for something new.



69.2875, 66.4157, 70.7988



76.7236, 71.9735, 76.1976



74.4373, 83.3719, 69.2973



15.8984, 15.8091, 17.0215



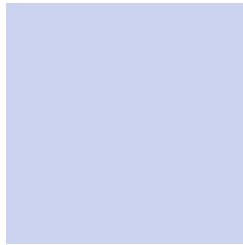
19.9855, 10.2666, 2.5745



1.6964, 0.8676, 0.3920

Previews

White Background



This preview shows how the XYZ color 63.9243, 65.7172, 91.7536 looks on a white background.

Color Contrast Check

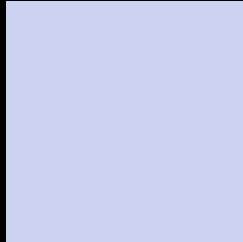
Large Text (above 18pt) WCAG AA × Fail

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 63.9243, 65.7172, 91.7536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

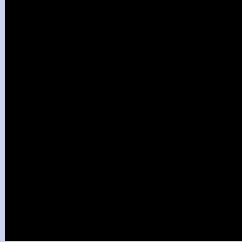
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9243, 65.7172, 91.7536

Background



This preview shows how black text looks on a background with the XYZ color 63.9243, 65.7172, 91.7536.

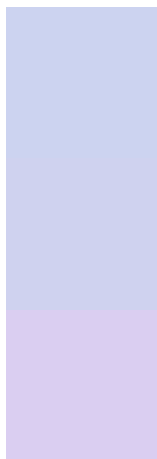


This preview shows how white text looks on a background with the XYZ color 63.9243, 65.7172,

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

63.9243, 65.7172, 91.7536

Protanopia

64.3587, 65.5906, 90.9295

Deuteranopia

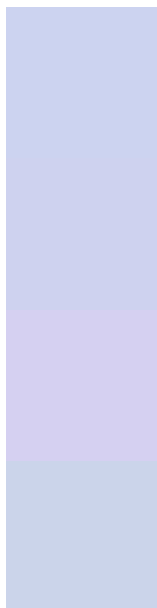
66.8619, 65.3989, 92.3183



Tritanopia

62.4343, 65.8582, 84.2842

Trichromacy



Original Color

63.9243, 65.7172, 91.7536

Protanomaly

64.0802, 65.4470, 90.9165

Deuteranomaly

65.8736, 65.6088, 92.4109

Tritanomaly

63.0234, 65.7240, 87.2062

Monochromacy



Original Color

63.9243, 65.7172, 91.7536

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.0228, 65.9162, 78.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9243, 65.7172, 91.7536 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(204, 211, 240)` looks like.

```
.text, #text, p{  
    color:rgb(204, 211, 240)  
}
```

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(204, 211, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 211, 240) }
```

Border

The CSS property to change the border of an element to XYZ 63.9243, 65.7172, 91.7536 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(204, 211, 240) }
```


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

```
.border{ border-color:rgb(204, 211, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 211, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 211, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 211, 240);  
box-shadow:4px 4px 4px 4px rgb(204, 211,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9243, 65.7172, 91.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 211, 240) }
```

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

```
.background{ background-color: rgb(204,  
211, 240) }
```

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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