

Converting Colors

XYZ(63.2230, 66.9836, 85.9409)

Have a look what the booklet for
XYZ(63.2230, 66.9836, 85.9409)
contains.

XYZ(63.2230, 66.9836, 85.9409)	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(63.2230, 66.9836,
85.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD7E8
RGB	202, 215, 232
RGB Percent	79%, 84%, 91%
CMY	0.2078, 0.1568, 0.0902
CMYK	0.13, 0.07, 0.00, 0.09
HSL	214°, 39%, 85%
HSV	214°, 13%, 91%
XYZ	63.2230, 66.9836, 85.9409
YIQ	213.0510, -13.2050, 2.5310

Conversions

Conversions Part 2

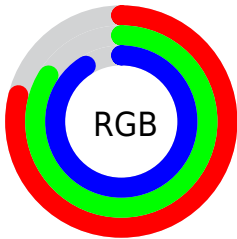
Format	Color
R _Y B	202, 211, 232
Decimal	13293544
CIE Lab	85.50, -1.02, -9.84
CIE LCh	85, 9.892, 264.100
Yxy	66.9836, 0.2925, 0.3099
Android (android.graphics.Color)	4291483624 (0xFFCAD7E8)
YUV	213.0510, 9.3419, -9.6917
Hunter-Lab	81.8435, -5.3373, -4.9678

Details

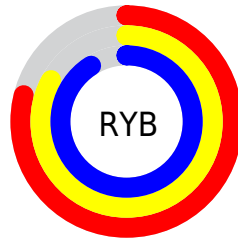
The XYZ color **63.2230, 66.9836, 85.9409** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2713, 72.0827, 66.1407**, and the grayscale version is **63.2274, 66.5201, 72.4404**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6200, 34.5721, 46.0281** is the 20% darker color. If you saturate the color by 10%, you get **54.1981, 57.5619, 84.5991**, and if you desaturate by 10%, it is **73.4645, 77.4352, 87.4195**.

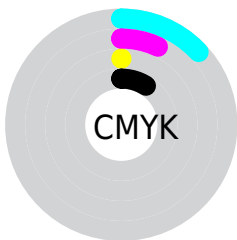
Distribution



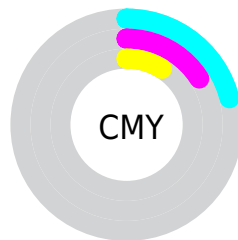
- Red (79%)
- Green (84%)
- Blue (91%)



- Red (79%)
- Yellow (83%)
- Blue (91%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2230, 66.9836, 85.9409 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 63.2230, 66.9836, 85.9409 by changing the saturation by 10% instead.

■ 63.2230, 66.9836,
85.9409

■ 63.2230, 66.9836,
85.9409

426.0252,
449.8864, 534.9619

■ 46.2810, 49.0713,
64.0645

108.5712,
114.8969, 143.5728

■ 32.6732, 34.6760,
46.2564

137.7080,
145.6667, 180.1654

■ 22.0342, 23.4134,
32.0981

171.6405,
181.4911, 222.5005

■ 13.9988, 14.8991,
21.1710

210.7340,
222.7546, 270.9966

■ 8.2015, 8.7486,
13.0566

255.3539,
269.8414, 326.0722

■ 4.2771, 4.5776,
7.3363

305.8655,

■ 1.8600, 2.0016,

323.1361, 388.1460

3.5917

362.6341,
383.0229, 457.6363

■ 0.5534, 0.6084,
1.4041

■ 0.0000, 0.0000,
0.1449

■ 63.2230, 66.9836,
85.9409

■ 63.2230, 66.9836,
85.9409

■ 54.1981, 57.5619,
84.5991

■ 73.4645, 77.4352,
87.4195

■ 46.3356, 49.1276,
83.3855

■ 84.9621, 88.9409,
89.0344

■ 39.5858, 41.6471,
82.2973

■ 91.3867, 98.2482,
90.4923

■ 33.8929, 35.0816,
81.3301

■ 91.5657, 98.6063,
90.5519

■ 29.1958, 29.3892,
80.4789

■ 25.4265, 24.5238,
79.7385

■ 22.5075, 20.4338,
79.1029

■ 20.3460, 17.0594,
78.5655

■ 19.1765, 15.0479,
78.2389

Harmonies

Analogous

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



61.1670, 66.9836, 83.4180



63.2230, 66.9836, 85.9409



65.4456, 66.9836, 84.8163

Triad

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



63.2230, 66.9836, 85.9409



67.6899, 66.9836, 67.9992



60.2314, 66.9836, 65.9192

Complementary

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



63.2230, 66.9836, 85.9409



69.2713, 72.0827, 66.1407

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.



61.9188, 66.9836, 62.2163



63.2230, 66.9836, 85.9409



66.2319, 66.9836, 63.3669

Square

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



63.2230, 66.9836, 85.9409



68.0589, 66.9836, 74.2125



64.1109, 66.9836, 61.3101



59.4661, 66.9836, 71.6697

Rectangle

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



63.2230, 66.9836, 85.9409



66.7188, 66.9836, 82.1810



64.1109, 66.9836, 61.3101



60.7076, 66.9836, 64.4076

Sweetspot

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



63.2250, 66.9864, 85.9424



89.5805, 94.4846, 108.1237



65.9353, 75.3591, 77.7450



18.9598, 20.0066, 23.1123



0.0000, 0.0000, 0.0000



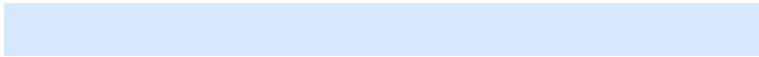
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2250, 66.9864, 85.9424



74.6640, 79.1942, 105.9585



60.4522, 60.8353, 84.9013



14.0941, 14.9096, 18.2793



10.7659, 8.5939, 43.4745



0.8865, 0.8169, 3.2429

Inverse Universe

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



66.6665, 64.3045, 73.1915



79.8862, 75.2740, 86.5765



72.3122, 78.8845, 67.2933



14.6351, 14.4712, 16.2787



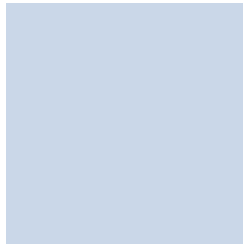
19.8276, 10.0653, 7.9872



1.5111, 0.7621, 0.8318

Previews

White Background



This preview shows how the XYZ color 63.2230, 66.9836, 85.9409 looks on a white background.

Color Contrast Check

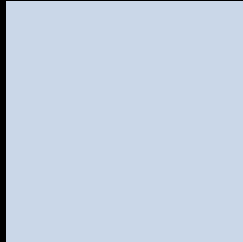
Large Text (above 18pt) WCAG AA × Fail

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 63.2230, 66.9836, 85.9409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

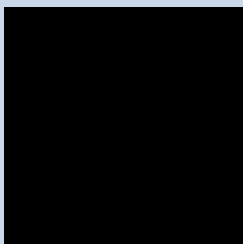
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

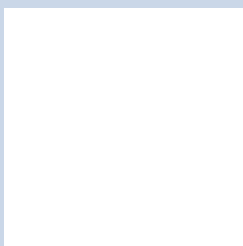
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2230, 66.9836, 85.9409

Background



This preview shows how black text looks on a background with the XYZ color 63.2230, 66.9836, 85.9409.

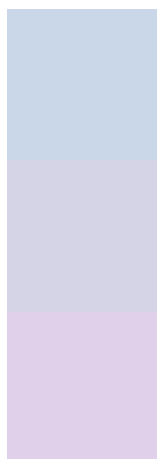


This preview shows how white text looks on a background with the XYZ color 63.2230, 66.9836,

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

63.2230, 66.9836, 85.9409

Protanopia

64.9778, 66.7972, 84.3314

Deuteranopia

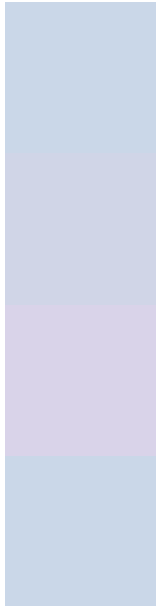
68.4585, 67.0598, 87.1776



Tritanopia

63.2230, 66.9836, 85.9409

Trichromacy



Original Color

63.2230, 66.9836, 85.9409

Protanomaly

64.2305, 66.7679, 85.1035

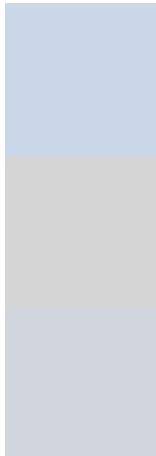
Deuteranomaly

66.6175, 67.2234, 86.5551

Tritanomaly

63.2230, 66.9836, 85.9409

Monochromacy



Original Color

63.2230, 66.9836, 85.9409

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2593, 66.8158, 77.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2230, 66.9836, 85.9409 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(202, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 215, 232)  
}
```

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(202, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 215, 232) }
```

Border

The CSS property to change the border of an element to XYZ 63.2230, 66.9836, 85.9409 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(202, 215, 232) }
```


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

```
.border{ border-color:rgb(202, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 215,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2230, 66.9836, 85.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 215, 232) }
```

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

```
.background{ background-color: rgb(202,  
215, 232) }
```

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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