

Converting Colors

XYZ(65.1004, 69.4157, 89.3243)

Have a look what the booklet for
XYZ(65.1004, 69.4157, 89.3243)
contains.

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Color

**XYZ(65.1004, 69.4157,
89.3243)**

Conversions

Conversions Part 1

Format	Color
Hex	CBDBEC
RGB	203, 219, 236
RGB Percent	80%, 86%, 93%
CMY	0.2039, 0.1412, 0.0745
CMYK	0.14, 0.07, 0.00, 0.07
HSL	211°, 46%, 86%
HSV	211°, 14%, 93%
XYZ	65.1004, 69.4157, 89.3243
YIQ	216.1540, -14.9930, 1.8950

Conversions

Conversions Part 2

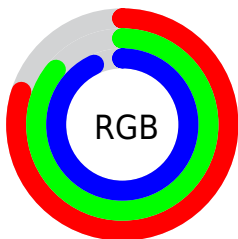
Format	Color
R _Y B	203, 214, 236
Decimal	13360108
CIE Lab	86.71, -1.97, -10.14
CIE LCh	87, 10.331, 259.003
Yxy	69.4157, 0.2908, 0.3101
Android (android.graphics.Color)	4291550188 (0xFFCDBDEC)
YUV	216.1540, 9.7841, -11.5361
Hunter-Lab	83.3161, -6.3292, -5.2444

Details

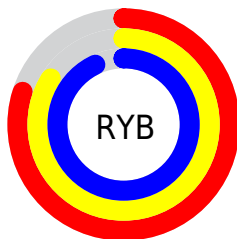
The XYZ color **65.1004, 69.4157, 89.3243** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9651, 73.3306, 66.9151**, and the grayscale version is **65.3196, 68.7213, 74.8375**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9081, 36.2358, 48.3871** is the 20% darker color. If you saturate the color by 10%, you get **56.1003, 60.2406, 88.0288**, and if you desaturate by 10%, it is **75.3145, 79.5641, 90.7459**.

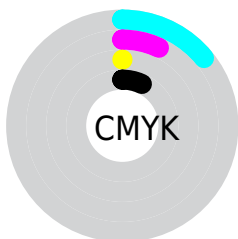
Distribution



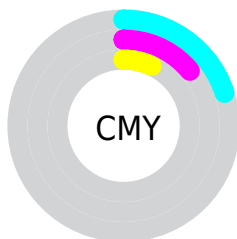
- Red (80%)
- Green (86%)
- Blue (93%)



- Red (80%)
- Yellow (84%)
- Blue (93%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1004, 69.4157, 89.3243 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 65.1004, 69.4157, 89.3243 by changing the saturation by 10% instead.

■ 65.1004, 69.4157,
89.3243

■ 65.1004, 69.4157,
89.3243

432.6922,
458.4958, 546.3436

■ 47.8075, 51.0503,
66.8498

111.2591,
118.3751, 148.3268

■ 33.8851, 36.2487,
48.5017

140.8556,
149.7380, 185.6918

■ 22.9678, 24.6263,
33.8616

175.2840,
186.2021, 228.8575

■ 14.6903, 15.7989,
22.5108

214.9097,
228.1519, 278.2423

■ 8.6872, 9.3819,
14.0308

260.0980,
275.9718, 334.2647

■ 4.5932, 4.9911,
8.0031

311.2143,

■ 2.0429, 2.2421,

330.0461, 397.3434

4.0091

368.6239,
390.7593, 467.8969

■ 0.6579, 0.7428,
1.6304

■ 0.0000, 0.0000,
0.3123

■ 65.1004, 69.4157,
89.3243

■ 65.1004, 69.4157,
89.3243

■ 56.1003, 60.2406,
88.0288

■ 75.3145, 79.5641,
90.7459

■ 48.2591, 51.9977,
86.8510

■ 86.7825, 90.7078,
92.2924

■ 41.5263, 44.6550,
85.7886

■ 92.1405, 98.8362,
93.5790

■ 35.8450, 38.1756,
84.8374

■ 31.1528, 32.5192,
83.9929

■ 27.3799, 27.6413,
83.2502

■ 24.4462, 23.4919,
82.6039

■ 22.2551, 20.0119,
82.0477

■ 21.2085, 18.1921,
81.7516

Harmonies

Analogous

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



62.9937, 69.4157, 86.0113



65.1004, 69.4157, 89.3243



67.4929, 69.4157, 88.7911

Triad

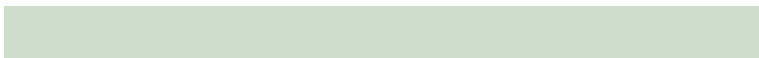
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.1004, 69.4157, 89.3243



70.4416, 69.4157, 71.3561



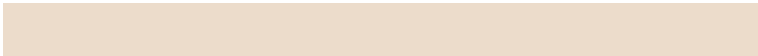
62.5527, 69.4157, 67.2322

Complementary

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



65.1004, 69.4157, 89.3243



70.9651, 73.3306, 66.9151

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.



64.4850, 69.4157, 63.7524



65.1004, 69.4157, 89.3243



69.0541, 69.4157, 66.0316

Square

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



65.1004, 69.4157, 89.3243



70.6160, 69.4157, 78.1334



66.8625, 69.4157, 63.3266



61.5467, 69.4157, 73.0866

Rectangle

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



65.1004, 69.4157, 89.3243



68.9272, 69.4157, 86.3343



66.8625, 69.4157, 63.3266



63.1132, 69.4157, 65.7615

Sweetspot

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



65.1025, 69.4186, 89.3259



89.7433, 94.8103, 108.1780



67.4773, 77.8295, 78.8308



19.0009, 20.0890, 23.1261



0.0000, 0.0000, 0.0000



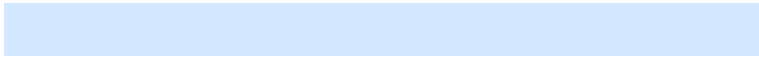
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1025, 69.4186, 89.3259



74.1468, 79.2576, 105.9980



61.1260, 61.4658, 88.0004



14.8341, 15.7547, 19.1814



11.8189, 10.2848, 45.1052



1.0240, 0.9995, 3.5738

Inverse Universe

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



68.7358, 65.6606, 76.0722



79.3573, 74.0366, 86.9536



75.3681, 82.1367, 68.3828



15.3698, 15.1758, 17.2328



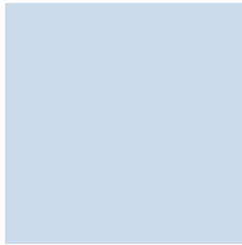
20.8209, 10.5311, 10.1243



1.6834, 0.8463, 1.0501

Previews

White Background



This preview shows how the XYZ color 65.1004, 69.4157, 89.3243 looks on a white background.

Color Contrast Check

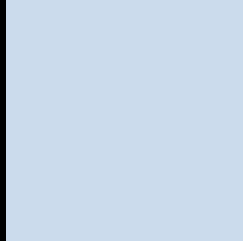
Large Text (above 18pt) WCAG AA × Fail

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 65.1004, 69.4157, 89.3243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

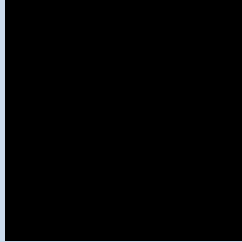
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

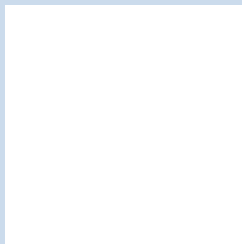
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1004, 69.4157, 89.3243

Background



This preview shows how black text looks on a background with the XYZ color 65.1004, 69.4157, 89.3243.



This preview shows how white text looks on a background with the XYZ color 65.1004, 69.4157,

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

65.1004, 69.4157, 89.3243

Protanopia

67.4706, 69.1403, 87.6312

Deuteranopia

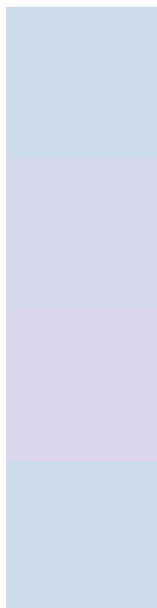
70.7218, 69.2556, 90.5291



Tritanopia

65.1004, 69.4157, 89.3243

Trichromacy



Original Color

65.1004, 69.4157, 89.3243

Protanomaly

66.4152, 68.9588, 88.4072

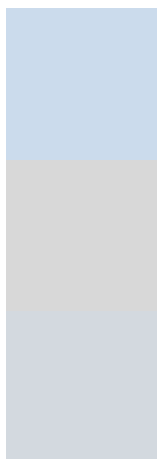
Deuteranomaly

68.5460, 69.2676, 89.8780

Tritanomaly

65.1004, 69.4157, 89.3243

Monochromacy



Original Color

65.1004, 69.4157, 89.3243

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.9961, 68.8023, 79.6665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1004, 69.4157, 89.3243 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(203, 219, 236)` looks like.

```
.text, #text, p{  
    color:rgb(203, 219, 236)  
}
```

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(203, 219, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 219, 236) }
```

Border

The CSS property to change the border of an element to XYZ 65.1004, 69.4157, 89.3243 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(203, 219, 236) }
```


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

```
.border{ border-color:rgb(203, 219, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 219, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 219, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 219, 236);  
box-shadow:4px 4px 4px 4px rgb(203, 219,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1004, 69.4157, 89.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 219, 236) }
```

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

```
.background{ background-color: rgb(203,  
219, 236) }
```

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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