

Converting Colors

XYZ(64.1361, 67.6647, 93.6847)

Have a look what the booklet for
XYZ(64.1361, 67.6647, 93.6847)
contains.

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Color

**XYZ(64.1361, 67.6647,
93.6847)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D8F2
RGB	199, 216, 242
RGB Percent	78%, 85%, 95%
CMY	0.2196, 0.1529, 0.0510
CMYK	0.18, 0.11, 0.00, 0.05
HSL	216°, 62%, 86%
HSV	216°, 18%, 95%
XYZ	64.1361, 67.6647, 93.6847
YIQ	213.8810, -18.4780, 4.4820

Conversions

Conversions Part 2

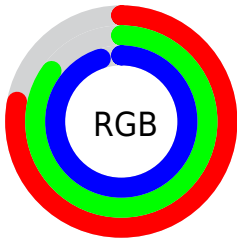
Format	Color
R _Y B	199, 211, 242
Decimal	13097202
CIE Lab	85.84, -0.40, -14.64
CIE LCh	86, 14.646, 268.422
Yxy	67.6647, 0.2844, 0.3001
Android (android.graphics.Color)	4291287282 (0xFFC7D8F2)
YUV	213.8810, 13.8627, -13.0506
Hunter-Lab	82.2586, -4.7780, -9.9447

Details

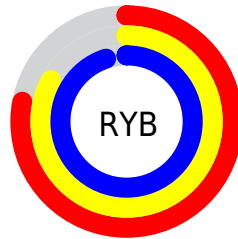
The XYZ color **64.1361, 67.6647, 93.6847** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.8525, 76.8511, 64.9756**, and the grayscale version is **63.7569, 67.0772, 73.0470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2848, 35.0547, 51.4663** is the 20% darker color. If you saturate the color by 10%, you get **54.6359, 57.4497, 92.2148**, and if you desaturate by 10%, it is **74.9952, 79.0793, 95.3167**.

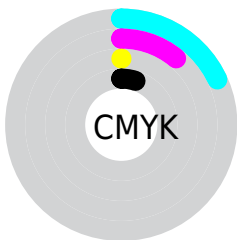
Distribution



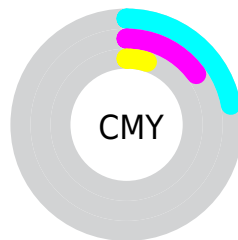
- Red (78%)
- Green (85%)
- Blue (95%)



- Red (78%)
- Yellow (83%)
- Blue (95%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (22%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1361, 67.6647, 93.6847 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 64.1361, 67.6647, 93.6847 by changing the saturation by 10% instead.

■ 64.1361, 67.6647,
93.6847

■ 64.1361, 67.6647,
93.6847

429.2754,
452.3071, 560.8220

■ 47.0230, 49.6250,
70.4499

109.8796,
115.8723, 154.4261

■ 33.2619, 35.1155,
51.4143

139.2406,
146.8091, 192.7698

■ 22.4873, 23.7519,
36.1594

173.4151,
182.8136, 236.9869

■ 14.3340, 15.1497,
24.2667

212.7683,
224.2703, 287.4959

■ 8.4366, 8.9245,
15.3175

257.6655,
271.5637, 344.7154

■ 4.4297, 4.6920,
8.8935

308.4722,

■ 1.9480, 2.0677,

325.0780, 409.0639

4.5759

365.5537,
385.1977, 480.9599

■ 0.6045, 0.6464,
1.9463

■ 0.0000, 0.0000,
0.5220

■ 64.1361, 67.6647,
93.6847

■ 64.1361, 67.6647,
93.6847

■ 54.6359, 57.4497,
92.2148

■ 74.9952, 79.0793,
95.3167

■ 46.4317, 48.3836,
90.8973

■ 87.2605, 91.7249,
97.1111

■ 39.4645, 40.4245,
89.7282

■ 93.0272, 99.1909,
98.2482

■ 33.6680, 33.5242,
88.7019

■ 28.9690, 27.6302,
87.8119

■ 25.2855, 22.6849,
87.0515

■ 22.5219, 18.6225,
86.4130

■ 20.5524, 15.3610,
85.8873

■ 20.1818, 14.7201,
85.7831

Harmonies

Analogous

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



61.0007, 67.6647, 90.5248



64.1361, 67.6647, 93.6847



67.4262, 67.6647, 91.1086

Triad

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



64.1361, 67.6647, 93.6847



70.1427, 67.6647, 65.2440



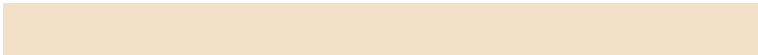
58.9833, 67.6647, 64.4362

Complementary

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



64.1361, 67.6647, 93.6847



73.8525, 76.8511, 64.9756

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.



61.2976, 67.6647, 58.6211



64.1361, 67.6647, 93.6847



67.7437, 67.6647, 59.0583

Square

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



64.1361, 67.6647, 93.6847



70.9655, 67.6647, 74.1844



64.4908, 67.6647, 56.7395



58.0903, 67.6647, 73.1687

Rectangle

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



64.1361, 67.6647, 93.6847



69.2501, 67.6647, 86.6007



64.4908, 67.6647, 56.7395



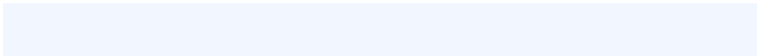
59.6168, 67.6647, 62.1046

Sweetspot

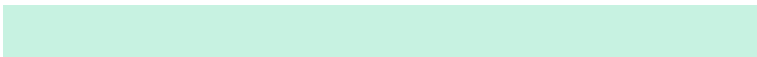
The Sweet Spot groups the original color and five complimentary colors.



64.1381, 67.6675, 93.6862



88.1038, 92.8415, 107.8844



68.8700, 81.0730, 83.1113



18.6558, 19.6626, 23.0619



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.



64.1381, 67.6675, 93.6862



68.5459, 72.2747, 104.9454



61.1623, 59.9979, 92.3627



15.4100, 16.2542, 20.0468



10.9660, 8.1563, 46.1242



1.0067, 0.8673, 3.8686

Inverse Universe

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



69.4377, 64.6836, 73.7943



75.5004, 68.5509, 78.7990



77.2214, 85.7543, 66.5166



16.0317, 15.8624, 17.7229



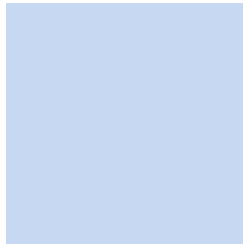
20.8608, 10.6167, 7.1833



1.7831, 0.9023, 0.8485

Previews

White Background



This preview shows how the XYZ color 64.1361, 67.6647, 93.6847 looks on a white background.

Color Contrast Check

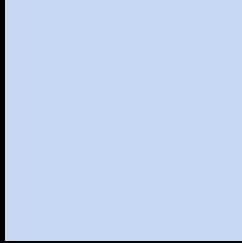
Large Text (above 18pt) WCAG AA × Fail

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 64.1361, 67.6647, 93.6847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

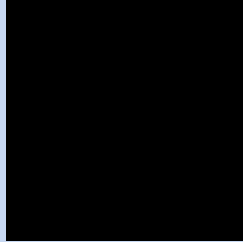
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

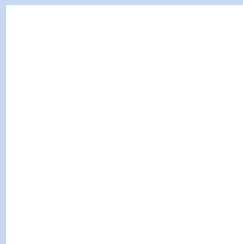
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1361, 67.6647, 93.6847

Background



This preview shows how black text looks on a background with the XYZ color 64.1361, 67.6647, 93.6847.



This preview shows how white text looks on a background with the XYZ color 64.1361, 67.6647,

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

64.1361, 67.6647, 93.6847

Protanopia

66.3864, 67.7287, 92.0121

Deuteranopia

68.7969, 67.4441, 94.1861



Tritanopia

63.0970, 67.6296, 88.3255

Trichromacy



Original Color

64.1361, 67.6647, 93.6847

Protanomaly

65.6559, 67.7094, 92.8279

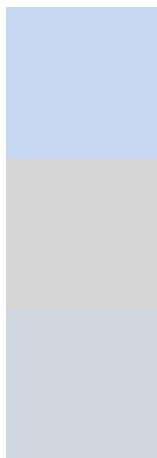
Deuteranomaly

67.1617, 67.7042, 94.3224

Tritanomaly

63.5342, 67.8045, 90.6279

Monochromacy



Original Color

64.1361, 67.6647, 93.6847

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0495, 67.5380, 80.1814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1361, 67.6647, 93.6847 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(199, 216, 242)` looks like.

```
.text, #text, p{  
    color:rgb(199, 216, 242)  
}
```

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(199, 216, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 216, 242) }
```

Border

The CSS property to change the border of an element to XYZ 64.1361, 67.6647, 93.6847 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(199, 216, 242) }
```


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

```
.border{ border-color:rgb(199, 216, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 216, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 216, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 216, 242);  
box-shadow:4px 4px 4px 4px rgb(199, 216,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1361, 67.6647, 93.6847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 216, 242) }
```

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

```
.background{ background-color: rgb(199,  
216, 242) }
```

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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