

Converting Colors

XYZ(66.8342, 73.8390, 83.5877)

Have a look what the booklet for
XYZ(66.8342, 73.8390, 83.5877)
contains.

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Color

**XYZ(67.0621, 74.1547,
83.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE4E3
RGB	206, 228, 227
RGB Percent	81%, 89%, 89%
CMY	0.1922, 0.1059, 0.1098
CMYK	0.10, 0.00, 0.00, 0.11
HSL	177°, 29%, 85%
HSV	177°, 10%, 89%
XYZ	67.0621, 74.1547, 83.4518
YIQ	221.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

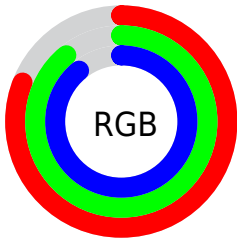
Format	Color
R _Y B	206, 217, 228
Decimal	13559011
CIE Lab	89.00, -7.44, -2.00
CIE LCh	89, 7.706, 195.066
Yxy	74.1547, 0.2985, 0.3301
Android (android.graphics.Color)	4291749091 (0xFFCEE4E3)
YUV	221.3080, 2.8062, -13.4251
Hunter-Lab	86.1131, -11.6880, 2.8215

Details

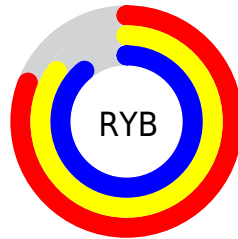
The XYZ color **67.0621, 74.1547, 83.4518** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3314, 65.1435, 68.1654**, and the grayscale version is **68.9327, 72.5226, 78.9771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3389, 39.5411, 44.7994** is the 20% darker color. If you saturate the color by 10%, you get **61.0434, 71.0705, 82.4246**, and if you desaturate by 10%, it is **74.0042, 77.7189, 84.5298**.

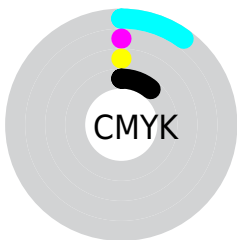
Distribution



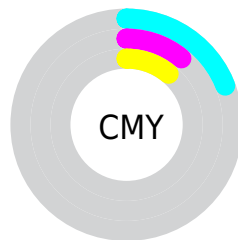
- Red (81%)
- Green (89%)
- Blue (89%)



- Red (81%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0621, 74.1547, 83.4518 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 67.0621, 74.1547, 83.4518 by changing the saturation by 10% instead.

■ 67.0621, 74.1547,
83.4518

■ 67.0621, 74.1547,
83.4518

439.5948,
475.0071, 526.5014

■ 49.4060, 54.9207,
62.0202

114.0587,
125.1151, 140.0630

■ 35.1575, 39.3382,
44.6131

144.1299,
157.6102, 176.0795

■ 23.9513, 27.0229,
30.8121

179.0701,
195.2945, 217.7949

■ 15.4220, 17.5904,
20.1985

219.2448,
238.5524, 265.6275

■ 9.2044, 10.6564,
12.3539

265.0192,
287.7681, 319.9959

■ 4.9329, 5.8363,
6.8597

316.7588,

■ 2.2423, 2.7458,

343.3263, 381.3187

3.2974

374.8289,
405.6111, 450.0143

■ 0.7649, 1.0005,
1.2484

■ 0.0000, 0.0000,
0.0190

■ 67.0621, 74.1547,
83.4518

■ 67.0621, 74.1547,
83.4518

■ 61.0434, 71.0705,
82.4246

■ 74.0042, 77.7189,
84.5298

■ 55.9022, 68.4365,
81.4415


■ 81.9002, 81.7727,
85.6554


■ 51.5985, 66.2343,
80.5021

■ 83.2848, 82.4696,
86.4808


■ 48.0867, 64.4401,
79.6043


■ 83.4314, 82.5283,
87.2529


 45.3167, 63.0282,
78.7456


 83.5789, 82.5872,
88.0295


 43.2327, 61.9699,
77.9236


 83.7272, 82.6466,
88.8107


 41.7711, 61.2324,
77.1351

 83.8765, 82.7063,
89.5966

 40.8564, 60.7767,
76.3768

 84.0266, 82.7663,
90.3871

 40.3630, 60.5380,
75.6426

 84.1776, 82.8267,
91.1822

Harmonies

Analogous

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



67.0600, 74.1547, 78.1137



67.0621, 74.1547, 83.4518



67.9694, 74.1547, 88.2634

Triad

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



67.0621, 74.1547, 83.4518



73.0614, 74.1547, 88.2456



71.4137, 74.1547, 71.1832

Complementary

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



67.0621, 74.1547, 83.4518



65.3314, 65.1435, 68.1654

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.



73.0554, 74.1547, 73.6602



67.0621, 74.1547, 83.4518



74.0181, 74.1547, 83.4283

Square

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



67.0621, 74.1547, 83.4518



71.4218, 74.1547, 91.1134



74.0159, 74.1547, 78.0912



69.5501, 74.1547, 71.1889

Rectangle

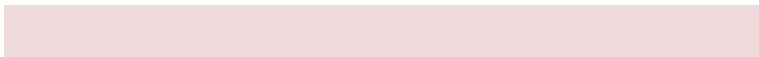
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0621, 74.1547, 83.4518



68.9749, 74.1547, 90.4574



74.0159, 74.1547, 78.0912



72.0105, 74.1547, 71.7481

Sweetspot

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



67.0642, 74.1578, 83.4534



92.2352, 98.5554, 108.4753



64.6462, 73.2260, 69.1204



19.5851, 21.0143, 23.1941



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.



67.0642, 74.1578, 83.4534



84.4507, 94.5617, 107.2354



64.5566, 68.9203, 83.3030



14.7776, 16.3245, 18.3594



23.3098, 34.9560, 43.7272



1.7313, 2.5867, 3.2778

Inverse Universe

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



65.3314, 65.1435, 68.1654



81.7027, 80.2663, 82.9913



67.6684, 70.0133, 68.3410



14.4035, 14.3786, 15.0593



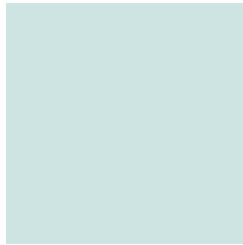
18.5196, 9.5421, 1.0995



1.3780, 0.7089, 0.1310

Previews

White Background



This preview shows how the XYZ color 67.0621, 74.1547, 83.4518 looks on a white background.

Color Contrast Check

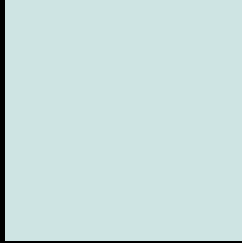
Large Text (above 18pt) WCAG AA × Fail

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 67.0621, 74.1547, 83.4518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

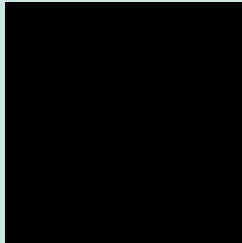
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

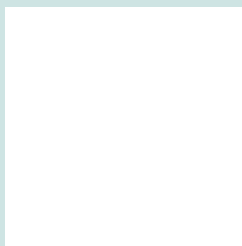
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0621, 74.1547, 83.4518

Background



This preview shows how black text looks on a background with the XYZ color 67.0621, 74.1547, 83.4518.

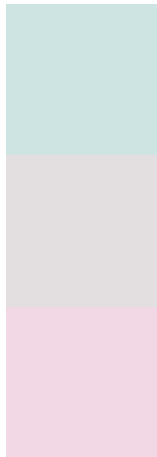


This preview shows how white text looks on a background with the XYZ color 67.0621, 74.1547,

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

67.0621, 74.1547, 83.4518

Protanopia

71.2544, 73.9553, 81.0403

Deuteranopia

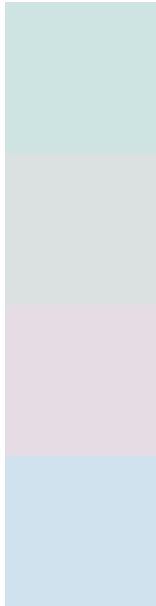
75.3167, 73.6461, 84.3742



Tritanopia

69.3974, 73.8768, 95.3960

Trichromacy



Original Color

67.0621, 74.1547, 83.4518

Protanomaly

69.4597, 73.8076, 81.8195

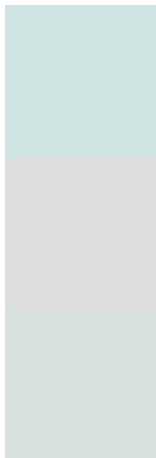
Deuteranomaly

71.9099, 73.4458, 83.7852

Tritanomaly

68.4948, 73.9170, 90.7781

Monochromacy



Original Color

67.0621, 74.1547, 83.4518

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2938, 73.2380, 80.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0621, 74.1547, 83.4518 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(206, 228, 227) looks like.

```
.text, #text, p{  
    color:rgb(206, 228, 227)  
}
```

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(206, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 228, 227) }
```

Border

The CSS property to change the border of an element to XYZ 67.0621, 74.1547, 83.4518 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(206, 228, 227) }
```


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

```
.border{ border-color:rgb(206, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(206, 228,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0621, 74.1547, 83.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 228, 227) }
```

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

```
.background{ background-color: rgb(206,  
228, 227) }
```

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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