

Converting Colors

XYZ(66.2143, 75.3087, 71.5510)

Have a look what the booklet for
XYZ(66.2143, 75.3087, 71.5510)
contains.

XYZ(66.0970, 75.1652, 71.3462)	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(66.0970, 75.1652,
71.3462)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E7D1
RGB	208, 231, 209
RGB Percent	82%, 91%, 82%
CMY	0.1843, 0.0941, 0.1804
CMYK	0.10, 0.00, 0.10, 0.09
HSL	123°, 32%, 86%
HSV	123°, 10%, 91%
XYZ	66.0970, 75.1652, 71.3462
YIQ	221.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

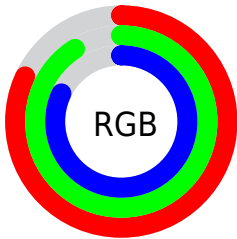
Format	Color
R_{YB}	208, 230, 231
Decimal	13690833
CIE _{Lab}	89.47, -11.63, 8.13
CIE _{LCh}	89, 14.194, 145.045
Yxy	75.1652, 0.3109, 0.3535
Android (android.graphics.Color)	4291880913 (0xFFD0E7D1)
YUV	221.6150, -6.2192, -11.9404
Hunter-Lab	86.6979, -15.6359, 11.8970

Details

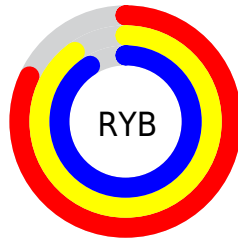
The XYZ color **66.0970, 75.1652, 71.3462** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7966, 67.8158, 84.2778**, and the grayscale version is **69.2072, 72.8114, 79.2916**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5728, 39.8965, 36.8890** is the 20% darker color. If you saturate the color by 10%, you get **57.5206, 71.0405, 57.6412**, and if you desaturate by 10%, it is **76.0030, 79.9357, 87.0972**.

Distribution



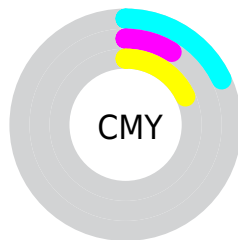
- Red (82%)
- Green (91%)
- Blue (82%)



- Red (82%)
- Yellow (90%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0970, 75.1652, 71.3462 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 66.0970, 75.1652, 71.3462 by changing the saturation by 10% instead.

■ 66.0970, 75.1652,
71.3462

■ 66.0970, 75.1652,
71.3462

436.2069,
478.4852, 484.1790

■ 48.6191, 55.7482,
52.1412

112.6825,
126.5462, 122.8256

■ 34.5307, 40.0011,
36.7346

142.5209,
159.2790, 155.9371

■ 23.4664, 27.5394,
24.7079

177.2101,
197.2192, 194.5211

■ 15.0609, 17.9787,
15.6425

217.1156,
240.7512, 238.9963

■ 8.9487, 10.9347,
9.1200

262.6026,
290.2594, 289.7811

■ 4.7646, 6.0230,
4.7216

314.0366,

■ 2.1431, 2.8590,

346.1282, 347.2942

2.0290

371.7829,
408.7420, 411.9539

■ 0.7125, 1.0586,
0.5730

■ 0.0000, 0.0000,
0.0000

■ 66.0970, 75.1652,
71.3462

■ 66.0970, 75.1652,
71.3462

■ 57.5206, 71.0405,
57.6412

■ 76.0030, 79.9357,
87.0972

■ 50.2114, 67.5249,
45.8936

■ 87.2852, 85.3681,
104.9679

■ 44.1110, 64.5924,
36.0155

■ 87.8674, 85.6348,
106.5058

■ 39.1544, 62.2115,
27.9106

■ 35.2703, 60.3476,
21.4739

■ 32.3793, 58.9623,
16.5894

■ 30.3912, 58.0120,
13.1262

■ 29.1991, 57.4448,
10.9321

■ 28.6341, 57.1776,
9.8183

Harmonies

Analogous

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



68.6468, 75.1652, 65.6788



66.0970, 75.1652, 71.3462



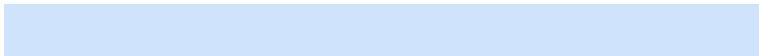
64.9810, 75.1652, 80.1981

Triad

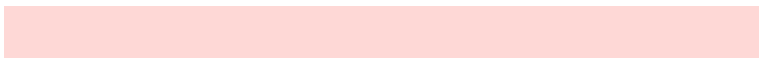
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0970, 75.1652, 71.3462



70.8659, 75.1652, 102.4577



77.6777, 75.1652, 73.9944

Complementary

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



66.0970, 75.1652, 71.3462



69.7966, 67.8158, 84.2778

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.



78.3183, 75.1652, 83.5084



66.0970, 75.1652, 71.3462



74.3126, 75.1652, 100.4609

Square

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



66.0970, 75.1652, 71.3462



67.6767, 75.1652, 98.5753



77.0682, 75.1652, 93.3200



75.3450, 75.1652, 67.1186

Rectangle

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



66.0970, 75.1652, 71.3462



65.1730, 75.1652, 86.9183



77.0682, 75.1652, 93.3200



78.1012, 75.1652, 76.9676

Sweetspot

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



66.0991, 75.1684, 71.3478



91.1354, 98.1155, 102.6838



72.6724, 78.5714, 71.0111



19.2884, 20.8957, 21.6316



0.0000, 0.0000, 0.0000



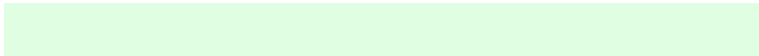
20.3446, 21.4041, 23.3091

Same Dimension

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



66.0991, 75.1684, 71.3478



80.3151, 92.9075, 85.4576



67.5443, 75.7465, 78.9585



14.2146, 16.0993, 15.3948



16.0626, 32.0571, 5.5639



1.1960, 2.3725, 0.4586

Inverse Universe

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



69.7966, 67.8158, 84.2778



85.8398, 81.9212, 104.7769



68.2645, 67.2029, 76.2097



14.9666, 14.6038, 18.0246



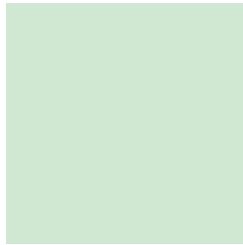
25.8009, 12.4546, 39.4421



1.9150, 0.9237, 2.9591

Previews

White Background



This preview shows how the XYZ color 66.0970, 75.1652, 71.3462 looks on a white background.

Color Contrast Check

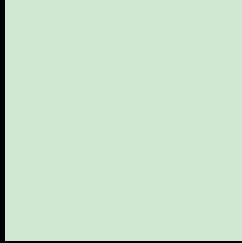
Large Text (above 18pt) WCAG AA × Fail

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 66.0970, 75.1652, 71.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

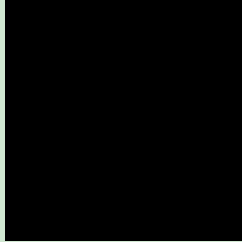
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

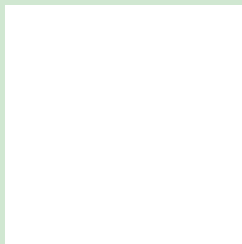
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0970, 75.1652, 71.3462

Background



This preview shows how black text looks on a background with the XYZ color 66.0970, 75.1652, 71.3462.

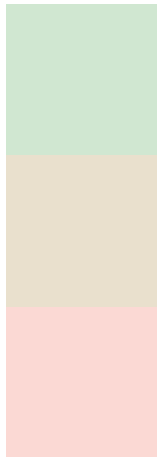


This preview shows how white text looks on a background with the XYZ color 66.0970, 75.1652,

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

66.0970, 75.1652, 71.3462

Protanopia

71.2794, 75.0427, 68.4855

Deuteranopia

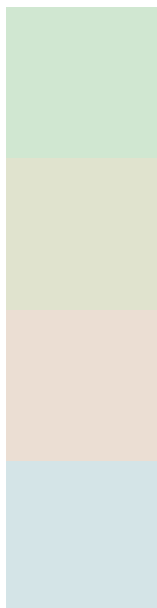
76.4802, 74.8884, 72.7113



Tritanopia

71.2570, 75.2205, 96.3513

Trichromacy



Original Color

66.0970, 75.1652, 71.3462

Protanomaly

69.3501, 75.2417, 69.2605

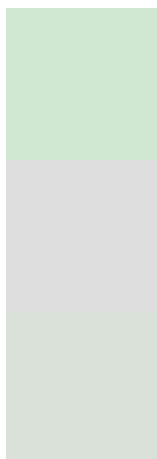
Deuteranomaly

72.1401, 74.6079, 72.2266

Tritanomaly

69.3186, 75.2534, 86.4732

Monochromacy



Original Color

66.0970, 75.1652, 71.3462

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0649, 73.6119, 76.2668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0970, 75.1652, 71.3462 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(208, 231, 209) looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 209)  
}
```

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(208, 231, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 209) }
```

Border

The CSS property to change the border of an element to XYZ 66.0970, 75.1652, 71.3462 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(208, 231, 209) }
```


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

```
.border{ border-color:rgb(208, 231, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 231, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 231, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 231, 209);  
box-shadow:4px 4px 4px 4px rgb(208, 231,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0970, 75.1652, 71.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 231, 209) }
```

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

```
.background{ background-color: rgb(208,  
231, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor