

Converting Colors

XYZ(65.3311, 72.1975, 83.1956)

Have a look what the booklet for
XYZ(65.3311, 72.1975, 83.1956)
contains.

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Color

**XYZ(65.1475, 71.9530,
83.1277)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE1E3
RGB	202, 225, 227
RGB Percent	79%, 88%, 89%
CMY	0.2078, 0.1176, 0.1098
CMYK	0.11, 0.01, 0.00, 0.11
HSL	185°, 31%, 84%
HSV	185°, 11%, 89%
XYZ	65.1475, 71.9530, 83.1277
YIQ	218.3510, -14.3500, -4.2540

Conversions

Conversions Part 2

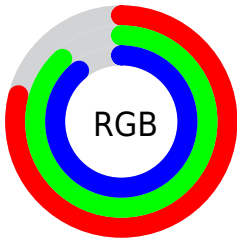
Format	Color
RYB	202, 214, 227
Decimal	13296099
CIELab	87.95, -7.19, -3.58
CIElCh	88, 8.034, 206.427
Yxy	71.9530, 0.2958, 0.3267
Android (android.graphics.Color)	4291486179 (0xFFCAE1E3)
YUV	218.3510, 4.2640, -14.3398
Hunter-Lab	84.8251, -11.3521, 1.2740

Details

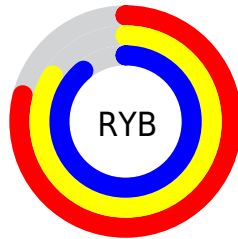
The XYZ color **65.1475, 71.9530, 83.1277** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9326, 63.7808, 64.8198**, and the grayscale version is **66.8631, 70.3451, 76.6059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.0339, 38.0239, 44.5753** is the 20% darker color. If you saturate the color by 10%, you get **58.9646, 68.0437, 82.7001**, and if you desaturate by 10%, it is **72.2433, 76.3445, 83.6025**.

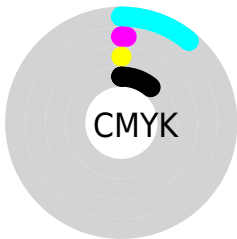
Distribution



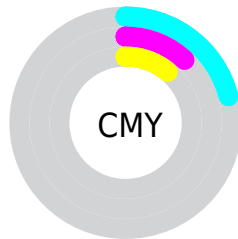
- Red (79%)
- Green (88%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1475, 71.9530, 83.1277 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 65.1475, 71.9530, 83.1277 by changing the saturation by 10% instead.

■ 65.1475, 71.9530,
83.1277

■ 65.1475, 71.9530,
83.1277

432.8587,
467.3780, 525.3942

■ 47.8458, 53.1203,
61.7543

111.3264,
121.9897, 139.6051

■ 33.9156, 37.8988,
44.3997

140.9344,
153.9625, 175.5462

■ 22.9913, 25.9042,
30.6453

175.3752,
191.0841, 217.1803

■ 14.7078, 16.7520,
20.0727

215.0141,
233.7389, 264.9259

■ 8.6995, 10.0578,
12.2633

260.2166,
282.3113, 319.2015

■ 4.6012, 5.4373,
6.7986

311.3479,

■ 2.0476, 2.5061,

337.1857, 380.4257

3.2599

368.7735,
398.7464, 449.0171

■ 0.6605, 0.8797,
1.2288

■ 0.0000, 0.0000,
0.0024

■ 65.1475, 71.9530,
83.1277

■ 65.1475, 71.9530,
83.1277

■ 58.9646, 68.0437,
82.7001

■ 72.2433, 76.3445,
83.6025

■ 53.6489, 64.5873,
82.3131

■ 80.2826, 81.2282,
84.1214

■ 49.1605, 61.5650,
81.9663

■ 83.5259, 83.6473,
84.4174

■ 45.4535, 58.9532,
81.6576

■ 84.0344, 84.6643,
84.5869

■ 42.4778, 56.7260,
81.3845

■ 84.5482, 85.6919,
84.7582

■ 40.1772, 54.8544,
81.1446

■ 85.0673, 86.7300,
84.9312

■ 38.4876, 53.3055,
80.9346

■ 85.5916, 87.7787,
85.1060

■ 37.3322, 52.0395,
80.7512

■ 86.1213, 88.8381,
85.2825

■ 36.6340, 51.0834,
80.6034

■ 86.6563, 89.9081,
85.4609

Harmonies

Analogous

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



64.7829, 71.9530, 77.6899



65.1475, 71.9530, 83.1277



66.3750, 71.9530, 87.4545

Triad

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



65.1475, 71.9530, 83.1277



71.5002, 71.9530, 84.3163



68.6187, 71.9530, 68.2929

Complementary

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



65.1475, 71.9530, 83.1277



63.9326, 63.7808, 64.8198

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.



70.4437, 71.9530, 69.8903



65.1475, 71.9530, 83.1277



72.1268, 71.9530, 79.0030

Square

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



65.1475, 71.9530, 83.1277



70.0395, 71.9530, 88.1629



71.7366, 71.9530, 73.7486



66.7650, 71.9530, 69.2837

Rectangle

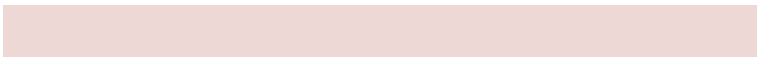
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



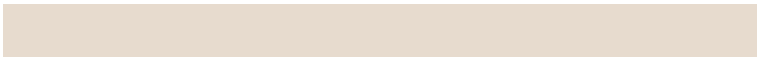
65.1475, 71.9530, 83.1277



67.5295, 71.9530, 89.0386



71.7366, 71.9530, 73.7486



69.2561, 71.9530, 68.5431

Sweetspot

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



65.1496, 71.9560, 83.1293



92.0967, 98.1886, 108.7060



62.6866, 71.8396, 67.4812



19.5476, 20.9149, 23.2567



0.0000, 0.0000, 0.0000



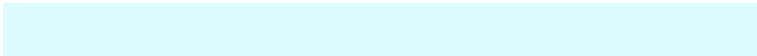
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1496, 71.9560, 83.1293



83.0494, 92.5682, 108.0980



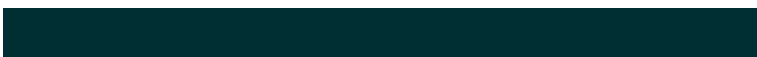
61.9759, 65.6087, 82.0714



14.7038, 16.1290, 18.4826



21.4051, 29.8724, 47.0209



1.6111, 2.2662, 3.4845

Inverse Universe

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



66.3914, 64.0098, 80.0935



84.9480, 80.4735, 103.4441



66.9390, 69.7936, 65.8220



14.9428, 14.5943, 17.8993



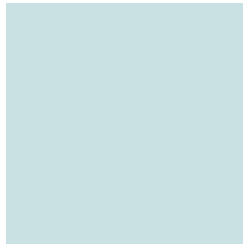
25.1978, 12.2133, 36.2663



1.8768, 0.9085, 2.7580

Previews

White Background



This preview shows how the XYZ color 65.1475, 71.9530, 83.1277 looks on a white background.

Color Contrast Check

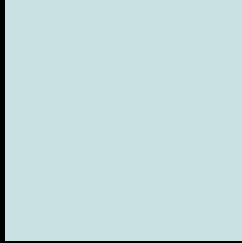
Large Text (above 18pt) WCAG AA × Fail

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 65.1475, 71.9530, 83.1277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

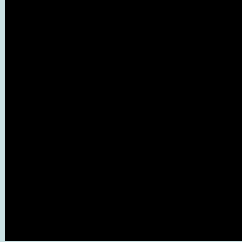
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

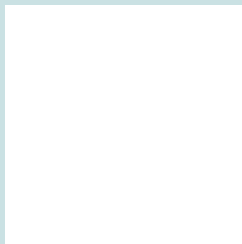
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1475, 71.9530, 83.1277

Background



This preview shows how black text looks on a background with the XYZ color 65.1475, 71.9530, 83.1277.

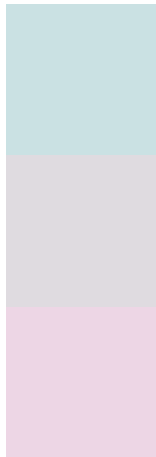


This preview shows how white text looks on a background with the XYZ color 65.1475, 71.9530,

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

65.1475, 71.9530, 83.1277

Protanopia

69.2175, 71.7328, 80.7187

Deuteranopia

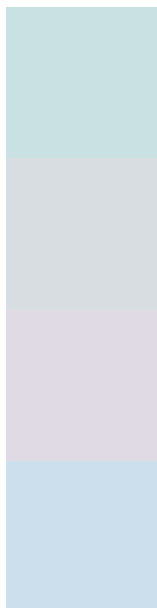
73.1145, 71.7548, 84.1253



Tritanopia

67.1667, 71.9636, 93.5694

Trichromacy



Original Color

65.1475, 71.9530, 83.1277

Protanomaly

67.4714, 71.5962, 81.4975

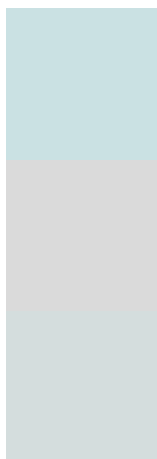
Deuteranomaly

69.8155, 71.5915, 83.5377

Tritanomaly

66.4246, 72.0639, 89.7657

Monochromacy



Original Color

65.1475, 71.9530, 83.1277

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.0590, 70.9304, 78.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1475, 71.9530, 83.1277 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, 225, 227) looks like.

```
.text, #text, p{  
    color:rgb(202, 225, 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(202, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 225, 227) }
```

Border

The CSS property to change the border of an element to XYZ 65.1475, 71.9530, 83.1277 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, 225, 227) }
```


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

```
.border{ border-color:rgb(202, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(202, 225,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1475, 71.9530, 83.1277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 225, 227) }
```

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

```
.background{ background-color: rgb(202,  
225, 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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