

Converting Colors

XYZ(65.6866, 74.9291, 83.4651)

Have a look what the booklet for
XYZ(65.6866, 74.9291, 83.4651)
contains.

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Color

**XYZ(65.7477, 75.1296,
83.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E8E3
RGB	197, 232, 227
RGB Percent	77%, 91%, 89%
CMY	0.2274, 0.0902, 0.1098
CMYK	0.15, 0.00, 0.02, 0.09
HSL	171°, 43%, 84%
HSV	171°, 15%, 91%
XYZ	65.7477, 75.1296, 83.7092
YIQ	220.9650, -19.2550, -8.9750

Conversions

Conversions Part 2

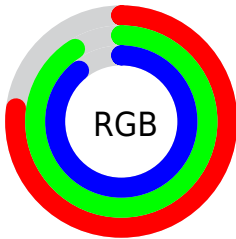
Format	Color
<code>RYB</code>	<code>197, 216, 232</code>
Decimal	<code>12970211</code>
CIELab	<code>89.45, -12.34, -1.40</code>
CIElCh	<code>89, 12.422, 186.476</code>
Yxy	<code>75.1296, 0.2928, 0.3345</code>
Android (<code>android.graphics.Color</code>)	<code>4291160291</code> (<code>0xFFC5E8E3</code>)
YUV	<code>220.9650, 2.9753, -21.0173</code>
Hunter-Lab	<code>86.6773, -16.2870, 3.4144</code>

Details

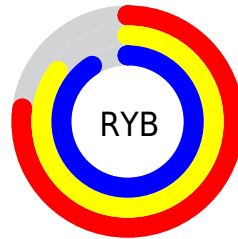
The XYZ color **65.7477, 75.1296, 83.7092** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.9083, 61.3546, 64.3548**, and the grayscale version is **68.6939, 72.2713, 78.7035**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **34.2994, 39.8689, 44.9174** is the 20% darker color. If you saturate the color by 10%, you get **59.6813, 72.0566, 81.0602**, and if you desaturate by 10%, it is **72.7622, 78.6943, 86.4517**.

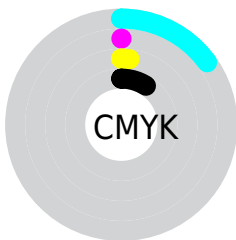
Distribution



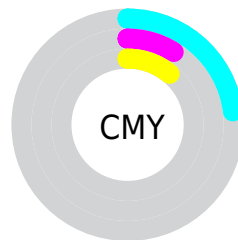
- Red (77%)
- Green (91%)
- Blue (89%)



- Red (77%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (23%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7477, 75.1296, 83.7092 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 65.7477, 75.1296, 83.7092 by changing the saturation by 10% instead.

65.7477, 75.1296,
83.7092

65.7477, 75.1296,
83.7092

434.9769,
478.3629, 527.3799

48.3346, 55.7191,
62.2314

112.1839,
126.4958, 140.4264

34.3043, 39.9777,
44.7827

141.9376,
159.2203, 176.5029

23.2914, 27.5212,
30.9446

176.5356,
197.1515, 218.2827

14.9307, 17.9650,
20.2985

216.3433,
240.6739, 266.1843

8.8568, 10.9249,
12.4260

261.7258,
290.1718, 320.6262

4.7042, 6.0163,
6.9085

313.0487,

2.1078, 2.8550,

346.0297, 382.0271

3.3273

370.6773,
408.6319, 450.8055

0.6934, 1.0565,
1.2641

0.0000, 0.0000,
0.0321

65.7477, 75.1296,
83.7092

65.7477, 75.1296,
83.7092

59.6813, 72.0566,
81.0602

72.7622, 78.6943,
86.4517

54.5138, 69.4441,
78.4975

80.7582, 82.7620,
89.2849


50.2014, 67.2713,
76.0204


85.3768, 85.0875,
92.0065


46.6941, 65.5126,
73.6262


85.8658, 85.2831,
94.5817

 43.9366, 64.1394,
71.3120


 86.3639, 85.4823,
97.2043


 41.8665, 63.1196,
69.0748


 86.8710, 85.6852,
99.8745


 40.4112, 62.4158,
66.9108

 87.3871, 85.8917,
102.5928

 39.4818, 61.9821,
64.8156

 87.9125, 86.1018,
105.3592

 39.1485, 61.8322,
63.8082

 88.1480, 86.1960,
106.5993

Harmonies

Analogous

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



66.1737, 75.1296, 75.2919



65.7477, 75.1296, 83.7092



66.8034, 75.1296, 92.1817

Triad

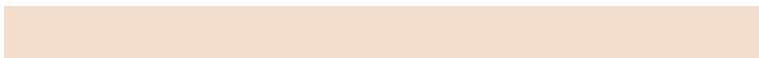
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.7477, 75.1296, 83.7092



74.9458, 75.1296, 96.0402



73.7708, 75.1296, 67.3726

Complementary

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



65.7477, 75.1296, 83.7092



63.9083, 61.3546, 64.3548

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.



76.2204, 75.1296, 72.2348



65.7477, 75.1296, 83.7092



76.9122, 75.1296, 88.6798

Square

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



65.7477, 75.1296, 83.7092



72.0708, 75.1296, 99.6202



77.3851, 75.1296, 79.9267



70.7501, 75.1296, 66.2486

Rectangle

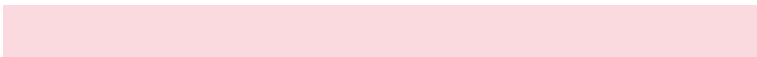
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.7477, 75.1296, 83.7092



68.2236, 75.1296, 96.5928



77.3851, 75.1296, 79.9267



74.6909, 75.1296, 68.6063

Sweetspot

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



65.7498, 75.1327, 83.7109



90.2217, 97.5447, 107.1497



63.3618, 74.3391, 63.8339



19.1712, 20.8074, 22.8823



0.0000, 0.0000, 0.0000



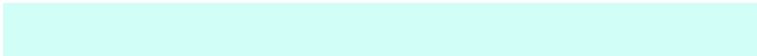
20.3446, 21.4041, 23.3091

Same Dimension

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



65.7498, 75.1327, 83.7109



79.0943, 91.8945, 102.7332



63.1214, 68.7544, 86.2917



14.7142, 16.2991, 18.0257



21.7686, 34.3395, 35.6114



1.6330, 2.5473, 2.7600

Inverse Universe

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



63.9083, 61.3546, 64.3548



76.4159, 71.8504, 74.5771



66.2212, 66.9132, 62.2499



14.4605, 14.4014, 15.3594



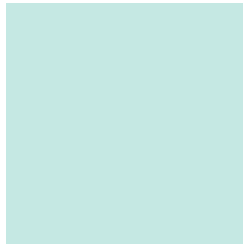
18.6561, 9.5967, 1.8181



1.4052, 0.7198, 0.2742

Previews

White Background



This preview shows how the XYZ color 65.7477, 75.1296, 83.7092 looks on a white background.

Color Contrast Check

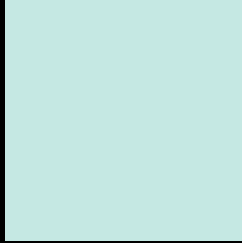
Large Text (above 18pt) WCAG AA × Fail

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 65.7477, 75.1296, 83.7092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

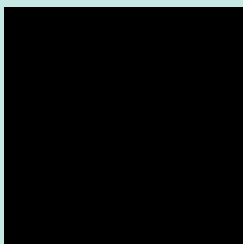
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

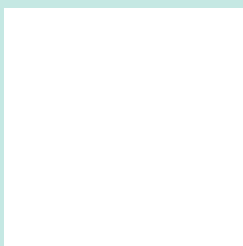
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.7477, 75.1296, 83.7092

Background



This preview shows how black text looks on a background with the XYZ color 65.7477, 75.1296, 83.7092.

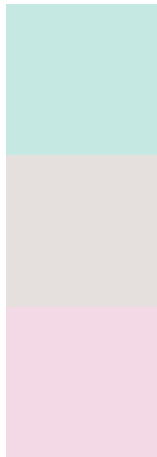


This preview shows how white text looks on a background with the XYZ color 65.7477, 75.1296,

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

65.7477, 75.1296, 83.7092

Protanopia

71.8856, 74.7073, 79.7384

Deuteranopia

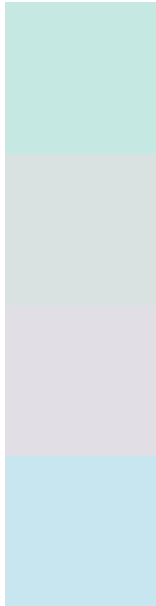
76.0579, 74.3936, 85.2136



Tritanopia

68.8952, 75.1715, 98.8741

Trichromacy



Original Color

65.7477, 75.1296, 83.7092

Protanomaly

69.2662, 74.5262, 81.2553

Deuteranomaly

71.6282, 74.0684, 84.6502

Tritanomaly

67.8444, 75.1643, 93.3704

Monochromacy



Original Color

65.7477, 75.1296, 83.7092

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.3959, 73.1752, 80.3841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7477, 75.1296, 83.7092 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(197, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(197, 232, 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(197, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 232, 227) }
```

Border

The CSS property to change the border of an element to XYZ 65.7477, 75.1296, 83.7092 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(197, 232, 227) }
```


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

```
.border{ border-color:rgb(197, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(197, 232,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7477, 75.1296, 83.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 232, 227) }
```

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

```
.background{ background-color: rgb(197,  
232, 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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