

Converting Colors

XYZ(66.8051, 75.9312, 72.5171)

Have a look what the booklet for
XYZ(66.8051, 75.9312, 72.5171)
contains.

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Color

**XYZ(66.9090, 75.9717,
72.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E8D3
RGB	209, 232, 211
RGB Percent	82%, 91%, 83%
CMY	0.1804, 0.0902, 0.1725
CMYK	0.10, 0.00, 0.09, 0.09
HSL	125°, 33%, 86%
HSV	125°, 10%, 91%
XYZ	66.9090, 75.9717, 72.7655
YIQ	222.7290, -6.9670, -11.4070

Conversions

Conversions Part 2

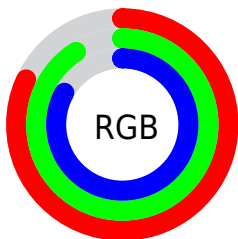
Format	Color
R _Y B	209, 230, 232
Decimal	13756627
CIE Lab	89.85, -11.45, 7.64
CIE LCh	90, 13.760, 146.294
Yxy	75.9717, 0.3103, 0.3523
Android (android.graphics.Color)	4291946707 (0xFFD1E8D3)
YUV	222.7290, -5.7824, -12.0403
Hunter-Lab	87.1617, -15.5090, 11.5160

Details

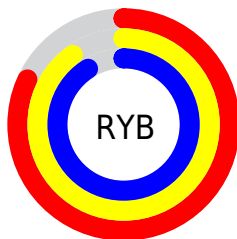
The XYZ color **66.9090, 75.9717, 72.7655** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3649, 68.4718, 84.3744**, and the grayscale version is **69.9920, 73.6370, 80.1907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8525, 40.3210, 37.3983** is the 20% darker color. If you saturate the color by 10%, you get **58.3339, 71.8401, 59.4032**, and if you desaturate by 10%, it is **76.7942, 80.7425, 88.0191**.

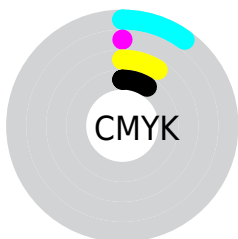
Distribution



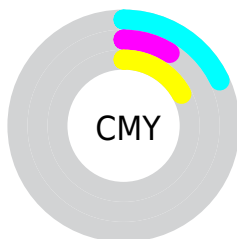
- Red (82%)
- Green (91%)
- Blue (83%)



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



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



- Cyan (18%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9090, 75.9717, 72.7655 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 66.9090, 75.9717, 72.7655 by changing the saturation by 10% instead.

■ 66.9090, 75.9717,
72.7655

■ 66.9090, 75.9717,
72.7655

439.0584,
481.2508, 489.2506

■ 49.2811, 56.4093,
53.2936

113.8405,
127.6869, 124.8621

■ 35.0580, 40.5312,
37.6479

143.8749,
160.6085, 158.3238

■ 23.8743, 27.9529,
25.4098

178.7754,
198.7519, 197.2859

■ 15.3646, 18.2902,
16.1608

218.9075,
242.5016, 242.1669

■ 9.1637, 11.1585,
9.4824

264.6364,
292.2420, 293.3853

■ 4.9060, 6.1736,
4.9561

316.3277,

■ 2.2264, 2.9509,

348.3574, 351.3597

2.1632

374.3465,
411.2322, 416.5087

■ 0.7566, 1.1062,
0.6530

■ 0.0000, 0.0000,
0.0000

■ 66.9090, 75.9717,
72.7655

■ 66.9090, 75.9717,
72.7655

■ 58.3339, 71.8401,
59.4032

■ 76.7942, 80.7425,
88.0191

■ 51.0079, 68.3115,
47.8538

■ 87.8864, 86.0915,
105.2215

■ 44.8745, 65.3604,
38.0408

■ 88.1481, 86.1962,
106.5994

■ 39.8704, 62.9562,
29.8801

■ 35.9264, 61.0650,
23.2808

■ 32.9658, 59.6493,
18.1434

■ 30.9013, 58.6667,
14.3567

■ 29.6303, 58.0669,
11.7935

■ 28.9900, 57.7692,
10.3010

Harmonies

Analogous

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



69.3532, 75.9717, 67.0538



66.9090, 75.9717, 72.7655



65.8834, 75.9717, 81.5169

Triad

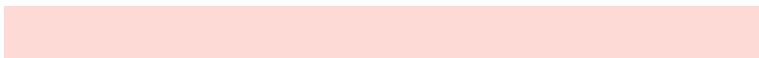
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9090, 75.9717, 72.7655



71.7874, 75.9717, 102.8321



78.2259, 75.9717, 74.7054

Complementary

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



66.9090, 75.9717, 72.7655



70.3649, 68.4718, 84.3744

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.



78.9266, 75.9717, 83.9355



66.9090, 75.9717, 72.7655



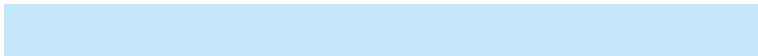
75.1418, 75.9717, 100.6546

Square

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



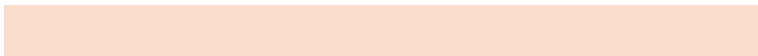
66.9090, 75.9717, 72.7655



68.6437, 75.9717, 99.2826



77.7814, 75.9717, 93.5439



75.8953, 75.9717, 68.1106

Rectangle

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



66.9090, 75.9717, 72.7655



66.1177, 75.9717, 88.0819



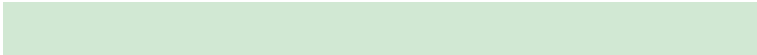
77.7814, 75.9717, 93.5439



78.6630, 75.9717, 77.5808

Sweetspot

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



66.9111, 75.9749, 72.7672



91.1870, 98.1361, 102.9554



73.0284, 79.1573, 71.7525



19.3023, 20.9012, 21.7045



0.0000, 0.0000, 0.0000



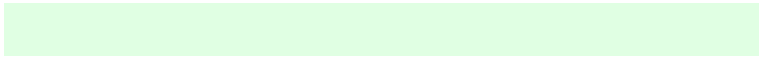
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9111, 75.9749, 72.7672



80.4981, 92.9807, 86.4213



68.3943, 76.5682, 80.5774



14.2400, 16.1094, 15.5284



16.1100, 32.0761, 5.8139



1.2081, 2.3774, 0.5225

Inverse Universe

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



70.3649, 68.4718, 84.3744



85.6278, 81.8364, 103.6606



68.8130, 67.8511, 76.2024



14.9382, 14.5925, 17.8751



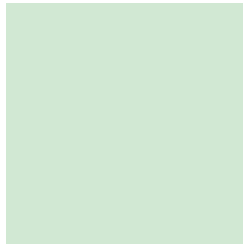
25.0841, 12.1678, 35.6672



1.8696, 0.9056, 2.7199

Previews

White Background



This preview shows how the XYZ color 66.9090, 75.9717, 72.7655 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 66.9090, 75.9717, 72.7655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

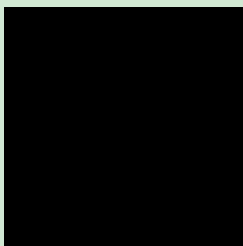
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

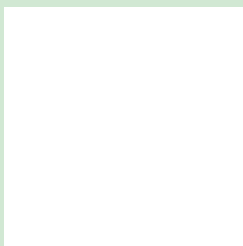
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9090, 75.9717, 72.7655

Background



This preview shows how black text looks on a background with the XYZ color 66.9090, 75.9717, 72.7655.



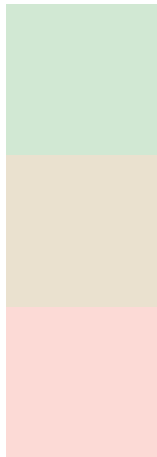
This preview shows how white text looks on a background with the XYZ color 66.9090, 75.9717,

72.7655.

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



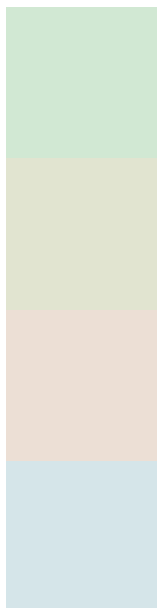
Original Color
66.9090, 75.9717, 72.7655
Protanopia
72.1194, 75.8478, 69.8705
Deuteranopia
77.3539, 75.6933, 74.1516



Tritanopia

71.9748, 75.9778, 97.2579

Trichromacy



Original Color

66.9090, 75.9717, 72.7655

Protanomaly

70.1799, 76.0484, 70.6544

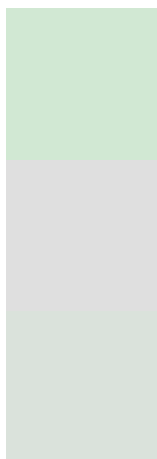
Deuteranomaly

72.9900, 75.4123, 73.6598

Tritanomaly

70.1679, 76.0679, 88.0751

Monochromacy



Original Color

66.9090, 75.9717, 72.7655

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8960, 74.4126, 77.7497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9090, 75.9717, 72.7655 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(209, 232, 211)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 211)  
}
```

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(209, 232, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 211) }
```

Border

The CSS property to change the border of an element to XYZ 66.9090, 75.9717, 72.7655 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(209, 232, 211) }
```


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

```
.border{ border-color:rgb(209, 232, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 211);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9090, 75.9717, 72.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 211) }
```

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

```
.background{ background-color: rgb(209,  
232, 211) }
```

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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