

Converting Colors

XYZ(109.1482, 87.8679,
66.1277)

Have a look what the booklet for
XYZ(109.1482, 87.8679, 66.1277)
contains.

XYZ(73.7366, 69.5727, 64.1861)	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(73.7366, 69.5727,
64.1861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEC8
RGB	255, 206, 200
RGB Percent	100%, 81%, 78%
CMY	0.0000, 0.1921, 0.2157
CMYK	0.00, 0.19, 0.22, 0.00
HSL	7°, 100%, 89%
HSV	7°, 22%, 100%
XYZ	73.7366, 69.5727, 64.1861
YIQ	219.9670, 31.1300, 8.5220

Conversions

Conversions Part 2

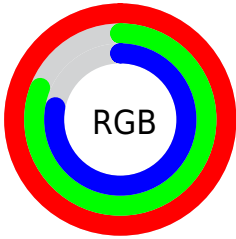
Format	Color
R _Y B	255, 207, 200
Decimal	16764616
CIE Lab	86.79, 16.38, 9.52
CIE LCh	87, 18.948, 30.168
Yxy	69.5727, 0.3554, 0.3353
Android (android.graphics.Color)	4294954696 (0xFFFFCEC8)
YUV	219.9670, -9.8437, 30.7239
Hunter-Lab	83.4103, 11.8302, 12.7622

Details

The XYZ color **73.7366, 69.5727, 64.1861** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.7441, 87.2480, 107.4562**, and the grayscale version is **68.0572, 71.6015, 77.9740**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7052, 36.5376, 32.1539** is the 20% darker color. If you saturate the color by 10%, you get **65.9224, 58.3224, 48.0841**, and if you desaturate by 10%, it is **82.8416, 82.6086, 83.1722**.

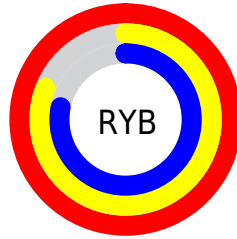
Distribution



Red (100%)

Green (81%)

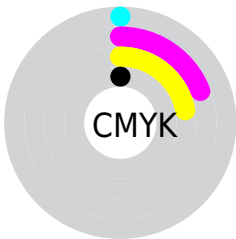
Blue (78%)



Red (100%)

Yellow (81%)

Blue (78%)

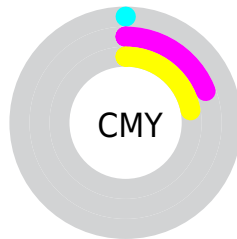


Cyan (0%)

Magenta (19%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7366, 69.5727, 64.1861 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 73.7366, 69.5727, 64.1861 by changing the saturation by 10% instead.


 73.7366, 69.5727,
64.1861

 73.7366, 69.5727,
64.1861


462.6282,
459.0483, 458.0873

 54.8690, 51.1783,
46.3543


123.5199,
118.5992, 112.4810

 39.5303, 36.3505,
32.1748


155.1662,
150.0000, 143.7811

 27.3551, 24.7050,
21.2291


191.8029,
186.5051, 180.4077

 17.9780, 15.8574,
13.0987

233.7952,
228.4989, 222.7793

 11.0338, 9.4233,
7.3650

281.5085,
276.3657, 271.3146

 6.1570, 5.0183,
3.6095

335.3082,

 2.9824, 2.2580,

330.4899, 326.4320

1.4137

395.5597,
391.2560, 388.5500

■ 1.1444, 0.7513,
0.1523

■ 0.0618, 0.0000,
0.0000

■ 73.7366, 69.5727,
64.1861

■ 73.7366, 69.5727,
64.1861

■ 65.9224, 58.3224,
48.0841

■ 82.8416, 82.6086,
83.1722

■ 59.3355, 48.7712,
34.7208

■ 93.2870, 97.4935,
105.1694

■ 53.9148, 40.8390,
23.9450

■ 95.0500, 100.0000,
108.9000

■ 49.5917, 34.4358,
15.5887

■ 46.2903, 29.4628,
9.4641

■ 43.9252, 25.8094,
5.3561

■ 42.3964, 23.3486,
3.0063

■ 41.6515, 22.0830,
2.0672

Harmonies

Analogous

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



74.9792, 69.5727, 75.6815



73.7366, 69.5727, 64.1861



70.4378, 69.5727, 56.5686

Triad

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



73.7366, 69.5727, 64.1861



59.0363, 69.5727, 64.2968



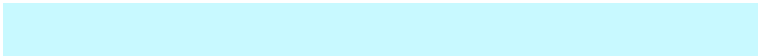
66.1517, 69.5727, 102.7422

Complementary

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



73.7366, 69.5727, 64.1861



75.7441, 87.2480, 107.4562

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.



61.9953, 69.5727, 98.8474



73.7366, 69.5727, 64.1861



58.0000, 69.5727, 75.8242

Square

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



73.7366, 69.5727, 64.1861



61.9540, 69.5727, 56.6273



59.0594, 69.5727, 88.6318



70.4828, 69.5727, 98.7623

Rectangle

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



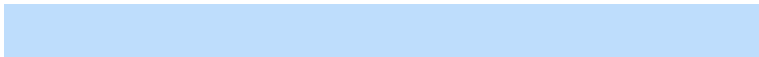
73.7366, 69.5727, 64.1861



67.5861, 69.5727, 54.2446



59.0594, 69.5727, 88.6318



64.6885, 69.5727, 102.3057

Sweetspot

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



73.7383, 69.5758, 64.1875



88.4887, 90.6636, 95.0406



79.0716, 69.4400, 99.2678



18.7938, 19.1970, 20.0341



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.



73.7383, 69.5758, 64.1875



70.1188, 64.3732, 56.7032



80.8046, 83.7084, 66.5430



18.1690, 18.3061, 18.7202



21.8148, 11.6408, 1.0971



2.1737, 1.2327, 0.1234

Inverse Universe

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



75.7441, 87.2480, 107.4562



72.4560, 84.9887, 107.1934



67.9913, 71.7426, 104.8719



18.3755, 20.1226, 23.1655



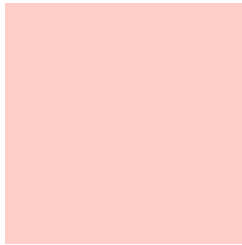
23.8756, 32.6608, 54.4804



2.3711, 3.2728, 5.3200

Previews

White Background



This preview shows how the XYZ color 73.7366, 69.5727, 64.1861 looks on a white background.

Color Contrast Check

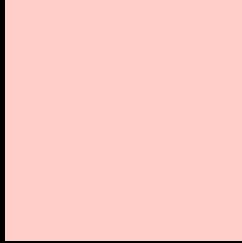
Large Text (above 18pt) WCAG AA × Fail

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 73.7366, 69.5727, 64.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

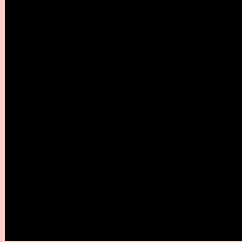
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.7366, 69.5727, 64.1861

Background



This preview shows how black text looks on a background with the XYZ color 73.7366, 69.5727, 64.1861.

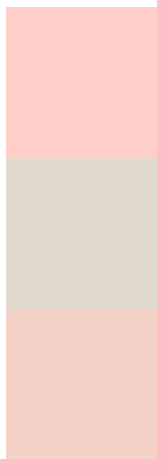


This preview shows how white text looks on a background with the XYZ color 73.7366, 69.5727,

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

73.7366, 69.5727, 64.1861

Protanopia

66.6939, 69.9292, 68.3751

Deuteranopia

71.0116, 69.6292, 63.7299



Tritanopia

75.6190, 69.5602, 76.4587

Trichromacy



Original Color

73.7366, 69.5727, 64.1861

Protanomaly

68.9543, 69.6103, 66.9286

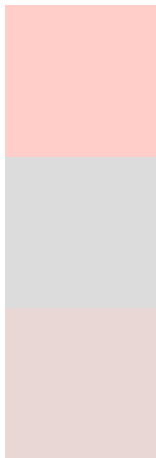
Deuteranomaly

72.1762, 69.8642, 63.7139

Tritanomaly

74.9550, 69.6761, 71.7856

Monochromacy



Original Color

73.7366, 69.5727, 64.1861

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.9150, 70.7286, 72.9179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7366, 69.5727, 64.1861 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(255, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 200)  
}
```

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(255, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 200) }
```

Border

The CSS property to change the border of an element to XYZ 73.7366, 69.5727, 64.1861 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(255, 206, 200) }
```


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

```
.border{ border-color:rgb(255, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7366, 69.5727, 64.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 200) }
```

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

```
.background{ background-color: rgb(255,  
206, 200) }
```

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