

Converting Colors

XYZ(69.9653, 73.3771, 59.6817)

Have a look what the booklet for
XYZ(69.9653, 73.3771, 59.6817)
contains.

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Color

**XYZ(69.8525, 73.3074,
59.7583)**

Conversions

Conversions Part 1

Format	Color
Hex	ECDDBF
RGB	236, 221, 191
RGB Percent	93%, 87%, 75%
CMY	0.0745, 0.1333, 0.2510
CMYK	0.00, 0.06, 0.19, 0.07
HSL	40°, 54%, 84%
HSV	40°, 19%, 93%
XYZ	69.8525, 73.3074, 59.7583
YIQ	222.0650, 18.5700, -6.1500

Conversions

Conversions Part 2

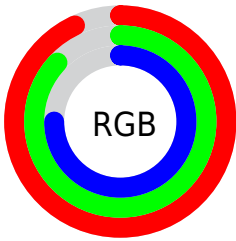
Format	Color
R _Y B	214, 236, 191
Decimal	15523263
CIE Lab	88.59, 0.38, 16.59
CIE LCh	89, 16.591, 88.690
Yxy	73.3074, 0.3442, 0.3613
Android (android.graphics.Color)	4293713343 (0xFFECDDBF)
YUV	222.0650, -15.3150, 12.2210
Hunter-Lab	85.6197, -4.2061, 18.5524

Details

The XYZ color **69.8525, 73.3074, 59.7583** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.6971, 61.2736, 88.0907**, and the grayscale version is **69.5743, 73.1976, 79.7122**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **37.0461, 38.8107, 29.5834** is the 20% darker color. If you saturate the color by 10%, you get **65.4345, 68.2978, 46.4882**, and if you desaturate by 10%, it is **74.7902, 78.6855, 75.2680**.

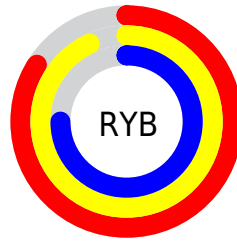
Distribution



Red (93%)

Green (87%)

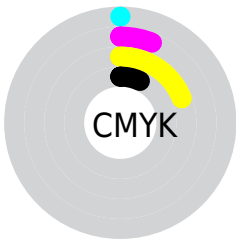
Blue (75%)



Red (84%)

Yellow (93%)

Blue (75%)

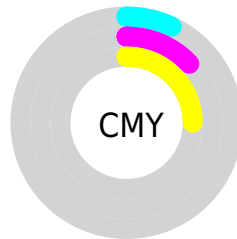


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8525, 73.3074, 59.7583 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 69.8525, 73.3074, 59.7583 by changing the saturation by 10% instead.

69.8525, 73.3074,
59.7583

69.8525, 73.3074,
59.7583

449.3064,
472.0795, 441.4862

51.6855, 54.2274,
42.7998

118.0258,
123.9135, 106.0189

36.9777, 38.7835,
29.3978

148.7628,
156.2084, 136.1581

25.3638, 26.5913,
19.1338

184.4204,
193.6769, 171.5280

16.4785, 17.2665,
11.5892

225.3641,
236.7036, 212.5471

9.9564, 10.4247,
6.3455

271.9592,
285.6728, 259.6339

5.4321, 5.6814,
2.9841

324.5711,

2.5403, 2.6524,

340.9690, 313.2070

1.0865

383.5650,
402.9764, 373.6849

■ 0.9156, 0.9531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8525, 73.3074,
59.7583

■ 69.8525, 73.3074,
59.7583

■ 65.4345, 68.2978,
46.4882

■ 74.7902, 78.6855,
75.2680

■ 61.5090, 63.6362,
35.3473

■ 80.2618, 84.4324,
93.1113

■ 58.0550, 59.3146,
26.2225

■ 85.1732, 90.1149,
107.5125

■ 55.0475, 55.3207,
18.9887

■ 87.5980, 94.9645,
108.3208

■ 52.4585, 51.6413,
13.5065

■ 88.4023, 96.5730,
108.5889

■ 50.2567, 48.2613,
9.6169

■ 48.4050, 45.1636,
7.1319

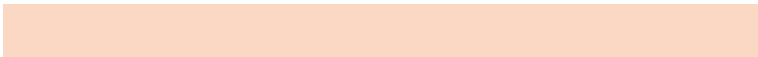
■ 46.8471, 42.3234,
5.7633

■ 46.7102, 42.0689,
5.6582

Harmonies

Analogous

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



73.7509, 73.3074, 62.4379



69.8525, 73.3074, 59.7583



66.0485, 73.3074, 62.0113

Triad

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



69.8525, 73.3074, 59.7583



63.1440, 73.3074, 90.8694



76.4574, 73.3074, 91.8239

Complementary

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



69.8525, 73.3074, 59.7583



58.6971, 61.2736, 88.0907

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.



73.4350, 73.3074, 100.7467



69.8525, 73.3074, 59.7583



65.7550, 73.3074, 100.1596

Square

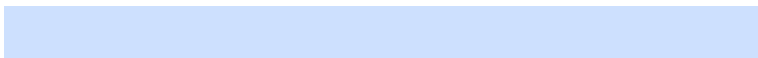
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8525, 73.3074, 59.7583



62.2656, 73.3074, 79.3167



69.5008, 73.3074, 103.9318



77.6533, 73.3074, 80.3240

Rectangle

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



69.8525, 73.3074, 59.7583



64.0566, 73.3074, 66.1416



69.5008, 73.3074, 103.9318



75.6158, 73.3074, 95.2634

Sweetspot

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



69.8545, 73.3107, 59.7599



91.0787, 95.8436, 95.9039



64.3642, 59.5516, 66.4956



19.4051, 20.4197, 20.2379



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.



69.8545, 73.3107, 59.7599



81.0829, 84.9399, 64.5552



71.5538, 80.3289, 61.0249



15.9046, 16.7322, 15.9101



25.8712, 23.4366, 3.1602



2.1193, 2.0159, 0.2774

Inverse Universe

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



58.6971, 61.2736, 88.0907



65.4347, 68.0599, 104.2958



57.1927, 55.3925, 87.0348



14.6413, 15.3690, 19.1171



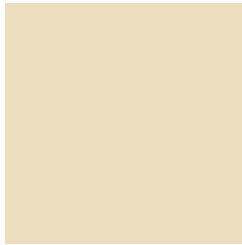
9.9788, 6.6046, 44.4918



0.8691, 0.6897, 3.5222

Previews

White Background



This preview shows how the XYZ color 69.8525, 73.3074, 59.7583 looks on a white background.

Color Contrast Check

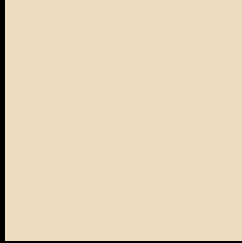
Large Text (above 18pt) WCAG AA × Fail

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 69.8525, 73.3074, 59.7583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

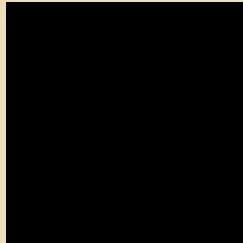
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8525, 73.3074, 59.7583

Background



This preview shows how black text looks on a background with the XYZ color 69.8525, 73.3074, 59.7583.

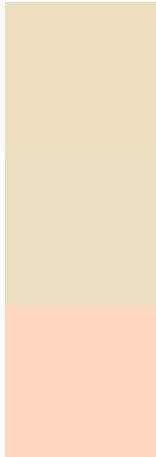


This preview shows how white text looks on a background with the XYZ color 69.8525, 73.3074,

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

69.8525, 73.3074, 59.7583

Protanopia

69.1295, 73.3278, 59.8004

Deuteranopia

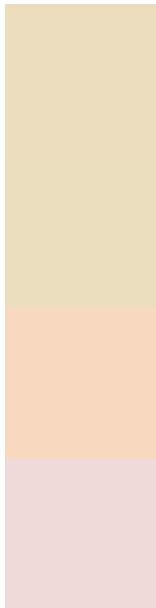
74.8010, 73.1589, 60.0478



Tritanopia

75.1416, 73.1278, 86.4986

Trichromacy



Original Color

69.8525, 73.3074, 59.7583

Protanomaly

69.4569, 73.4966, 59.8157

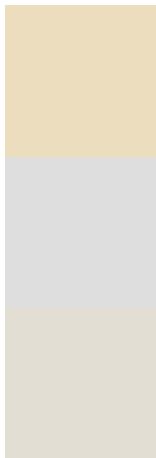
Deuteranomaly

73.0387, 73.3879, 60.1849

Tritanomaly

72.9338, 72.9862, 75.8894

Monochromacy



Original Color

69.8525, 73.3074, 59.7583

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.5577, 73.2766, 72.1057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8525, 73.3074, 59.7583 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(236, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 191)  
}
```

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(236, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 191) }
```

Border

The CSS property to change the border of an element to XYZ 69.8525, 73.3074, 59.7583 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(236, 221, 191) }
```


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

```
.border{ border-color:rgb(236, 221, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 221, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 221, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 221, 191); box-shadow:4px 4px 4px 4px rgb(236, 221, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8525, 73.3074, 59.7583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 191) }
```

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

```
.background{ background-color: rgb(236,  
221, 191) }
```

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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