

# Converting Colors

XYZ(72.7466, 76.4540, 65.4720)

Have a look what the booklet for  
XYZ(72.7466, 76.4540, 65.4720)  
contains.

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# **Color**

**XYZ(72.6104, 76.1977,  
65.5242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE1C8
RGB	238, 225, 200
RGB Percent	93%, 88%, 78%
CMY	0.0667, 0.1176, 0.2157
CMYK	0.00, 0.05, 0.16, 0.07
HSL	39°, 53%, 86%
HSV	39°, 16%, 93%
XYZ	72.6104, 76.1977, 65.5242
YIQ	226.0370, 15.7730, -5.0190

# Conversions

## Conversions Part 2

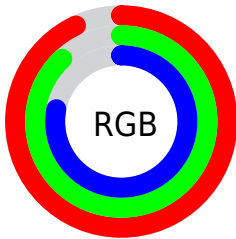
Format	Color
<a href="#">RYB</a>	<a href="#">220, 238, 200</a>
Decimal	<a href="#">15655368</a>
CIELab	<a href="#">89.95, 0.39, 13.82</a>
CIELCh	<a href="#">90, 13.826, 88.374</a>
Yxy	<a href="#">76.1977, 0.3388, 0.3555</a>
Android (android.graphics.Color)	<a href="#">4293845448 (0xFFEEE1C8)</a>
YUV	<a href="#">226.0370, -12.8362, 10.4916</a>
Hunter-Lab	<a href="#">87.2913, -4.2804, 16.5986</a>

# Details

The XYZ color **72.6104, 76.1977, 65.5242** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0459, 66.0394, 90.3134**, and the grayscale version is **72.3991, 76.1695, 82.9486**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8544, 40.7699, 33.0156** is the 20% darker color. If you saturate the color by 10%, you get **67.8951, 70.8769, 51.2811**, and if you desaturate by 10%, it is **77.8678, 81.9083, 82.0859**.

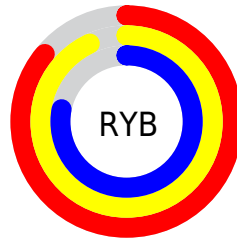
# Distribution



Red (93%)

Green (88%)

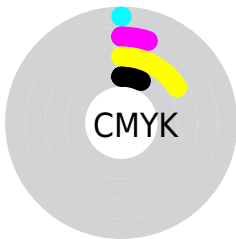
Blue (78%)



Red (86%)

Yellow (93%)

Blue (78%)

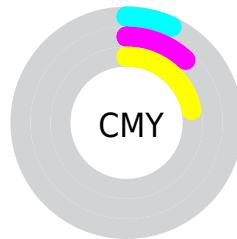


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6104, 76.1977, 65.5242 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 72.6104, 76.1977, 65.5242 by changing the saturation by 10% instead.



72.6104, 76.1977,  
65.5242

72.6104, 76.1977,  
65.5242

458.7881,  
482.0242, 463.0310

53.9447, 56.5946,  
47.4322

121.9301,  
128.0063, 114.4236

38.7879, 40.6799,  
33.0207

153.3148,  
160.9807, 146.0682

26.7748, 28.0690,  
21.8710

189.6698,  
199.1809, 183.0673

17.5399, 18.3777,  
13.5648

231.3606,  
242.9914, 225.8396

10.7178, 11.2215,  
7.6833

278.7525,  
292.7966, 274.8036

5.9433, 6.2160,  
3.8081

332.2108,

2.8510, 2.9769,

348.9809, 330.3778

1.5207

392.1009,  
411.9286, 392.9807

■ 1.0754, 1.1197,  
0.2333

■ 0.0044, 0.0000,  
0.0000

■ 72.6104, 76.1977,  
65.5242

■ 72.6104, 76.1977,  
65.5242

■ 67.8951, 70.8769,  
51.2811

■ 77.8678, 81.9083,  
82.0859

■ 63.6943, 65.9249,  
39.2462

■ 83.6811, 88.0088,  
101.0603

■ 59.9870, 61.3334,  
29.3072

■ 87.3167, 93.4105,  
108.0357

■ 56.7482, 57.0901,  
21.3397

■ 89.0701, 96.9173,  
108.6201

■ 53.9504, 53.1815,  
15.2064

■ 51.5627, 49.5926,  
10.7520

■ 49.5489, 46.3066,  
7.7950

■ 47.8650, 43.3030,  
6.1113

■ 47.2512, 42.1594,  
5.6472

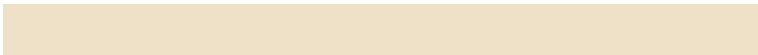
# Harmonies

## Analogous

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



75.9279, 76.1977, 67.9371



72.6104, 76.1977, 65.5242



69.3424, 76.1977, 67.4704

# Triad

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



72.6104, 76.1977, 65.5242



66.7888, 76.1977, 92.2448



78.1702, 76.1977, 93.2419

# Complementary

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



72.6104, 76.1977, 65.5242



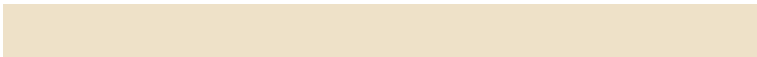
63.0459, 66.0394, 90.3134

# 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.



75.5948, 76.1977, 100.6699



72.6104, 76.1977, 65.5242



69.0289, 76.1977, 100.0631

# Square

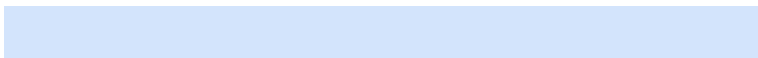
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6104, 76.1977, 65.5242



66.0454, 76.1977, 82.4330



72.2372, 76.1977, 103.2579



79.1998, 76.1977, 83.5019



# Rectangle

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



72.6104, 76.1977, 65.5242



67.6171, 76.1977, 71.0713



72.2372, 76.1977, 103.2579



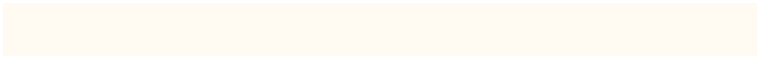
77.4527, 76.1977, 96.1197

# Sweetspot

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



72.6124, 76.2011, 65.5258



91.6894, 96.4554, 97.9866



67.9633, 64.3060, 71.9818



19.5270, 20.5408, 20.6572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

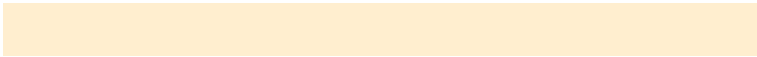


# Same Dimension

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



72.6124, 76.2011, 65.5258



83.1478, 87.1435, 71.1815



74.3767, 82.5259, 66.6536



16.6413, 17.4957, 16.6496



26.4862, 23.7704, 3.1922



2.2954, 2.1615, 0.2962



# Inverse Universe

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



63.0459, 66.0394, 90.3134



70.0760, 73.2595, 105.0548



61.4582, 60.5616, 89.3398



15.3392, 16.1124, 20.0232



10.3756, 6.9754, 45.9274

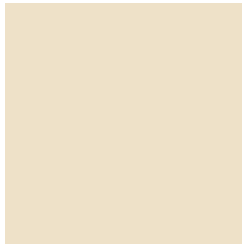


0.9523, 0.7585, 3.8504



# Previews

## White Background



This preview shows how the XYZ color 72.6104, 76.1977, 65.5242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

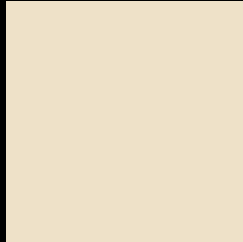
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6104, 76.1977, 65.5242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

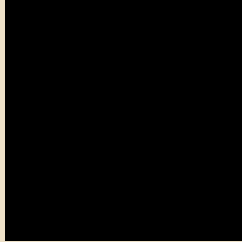
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

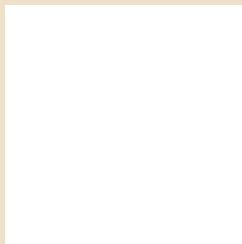
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.6104, 76.1977, 65.5242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6104, 76.1977, 65.5242.



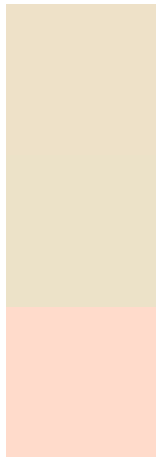
This preview shows how white text looks on a background with the XYZ color 72.6104, 76.1977,



# 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

72.6104, 76.1977, 65.5242

### Protanopia

72.2138, 76.3957, 65.5834

### Deuteranopia

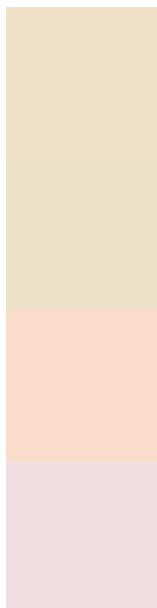
77.3510, 76.2348, 67.1379



## Tritanopia

77.8414, 76.3555, 90.7562

# Trichromacy



## Original Color

72.6104, 76.1977, 65.5242

## Protanomaly

72.5467, 76.5674, 65.5989

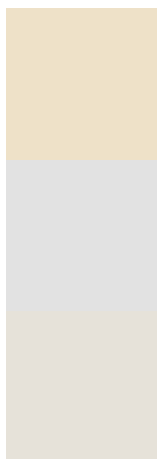
## Deuteranomaly

75.5840, 76.1169, 66.5854

## Tritanomaly

75.8514, 76.3251, 81.2554

# Monochromacy



## Original Color

72.6104, 76.1977, 65.5242

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.3539, 76.2255, 76.5452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6104, 76.1977, 65.5242 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(238, 225, 200)` looks like.

```
.text, #text, p{  
    color:rgb(238, 225, 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(238, 225, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 225, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6104, 76.1977, 65.5242 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(238, 225, 200) }
```



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

```
.border{ border-color:rgb(238, 225, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 225, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 225, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 225, 200);  
box-shadow:4px 4px 4px 4px rgb(238, 225,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6104, 76.1977, 65.5242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 225, 200) }
```

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

```
.background{ background-color: rgb(238,  
225, 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](#).

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