

# Converting Colors

XYZ(77.6660, 79.0217, 60.5939)

Have a look what the booklet for  
XYZ(77.6660, 79.0217, 60.5939)  
contains.

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# Color

**XYZ(77.5692, 78.8720,  
60.4257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1BF
RGB	255, 225, 191
RGB Percent	100%, 88%, 75%
CMY	0.0000, 0.1176, 0.2510
CMYK	0.00, 0.12, 0.25, 0.00
HSL	32°, 100%, 87%
HSV	32°, 25%, 100%
XYZ	77.5692, 78.8720, 60.4257
YIQ	230.0940, 28.7940, -4.2140

# Conversions

## Conversions Part 2

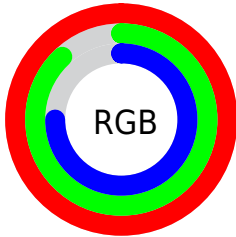
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 191
Decimal	16769471
CIE <sub>Lab</sub>	91.18, 5.29, 20.43
CIE <sub>LCh</sub>	91, 21.105, 75.490
Yxy	78.8720, 0.3577, 0.3637
Android (android.graphics.Color)	4294959551 (0xFFFFE1BF)
YUV	230.0940, -19.2733, 21.8426
Hunter-Lab	88.8099, 0.4898, 21.8264

# Details

The XYZ color **77.5692, 78.8720, 60.4257** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.3916, 70.0072, 104.6740**, and the grayscale version is **75.4082, 79.3353, 86.3962**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **42.1788, 42.5614, 29.6590** is the 20% darker color. If you saturate the color by 10%, you get **71.8855, 71.6113, 45.8708**, and if you desaturate by 10%, it is **83.9715, 86.7875, 77.6323**.

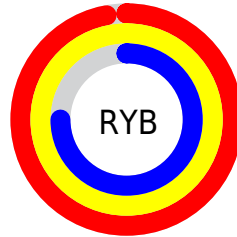
# Distribution



Red (100%)

Green (88%)

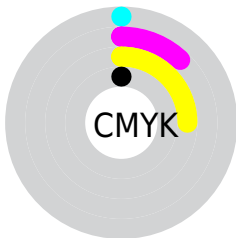
Blue (75%)



Red (97%)

Yellow (100%)

Blue (75%)

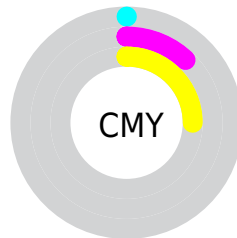


Cyan (0%)

Magenta (12%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5692, 78.8720, 60.4257 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 77.5692, 78.8720, 60.4257 by changing the saturation by 10% instead.





 77.5692, 78.8720,  
60.4257

 77.5692, 78.8720,  
60.4257


475.5648,  
491.1232, 444.0132

 58.0217, 58.7906,  
43.3343


 128.9112,  
131.7786, 106.9964

 42.0694, 42.4446,  
29.8142


161.4365,  
165.3727, 137.3127

 29.3470, 29.4495,  
19.4467


199.0184,  
204.2397, 172.8745

 19.4891, 19.4212,  
11.8134

242.0223,  
248.7640, 214.1002

 12.1303, 11.9750,  
6.4958

290.8135,  
299.3302, 261.4084

 6.9053, 6.7267,  
3.0752

345.7574,

 3.4488, 3.2917,

356.3225, 315.2176

1.1332

407.2194,  
420.1254, 375.9464

■ 1.3953, 1.2859,  
0.0000

■ 0.2529, 0.1302,  
0.0000

■ 77.5692, 78.8720,  
60.4257

■ 77.5692, 78.8720,  
60.4257

■ 71.8855, 71.6113,  
45.8708

■ 83.9715, 86.7875,  
77.6323

■ 66.8847, 64.9755,  
33.8280

■ 91.1146, 95.3655,  
97.6110

■ 62.5365, 58.9476,  
24.1518

95.0500, 100.0000,  
108.9000

■ 58.8054, 53.5056,  
16.6798

■ 55.6518, 48.6256,  
11.2290

■ 53.0304, 44.2809,  
7.5859

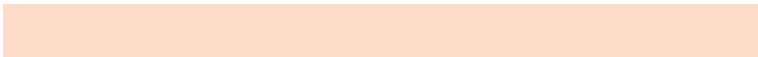
■ 50.8860, 40.4408,  
5.4880

■ 49.9725, 38.7251,  
4.8408

# Harmonies

## Analogous

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



82.4011, 78.8720, 66.5573



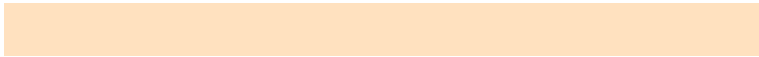
77.5692, 78.8720, 60.4257



72.2548, 78.8720, 60.5288

# Triad

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



77.5692, 78.8720, 60.4257



65.4940, 78.8720, 93.9789



82.5336, 78.8720, 108.2013

# Complementary

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



77.5692, 78.8720, 60.4257



65.3916, 70.0072, 104.6740

# Split Complementary

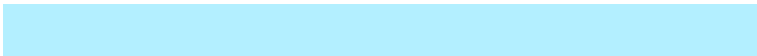
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7431, 78.8720, 117.4693



77.5692, 78.8720, 60.4257



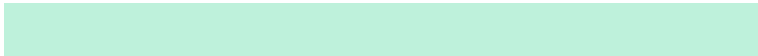
67.9911, 78.8720, 108.6172

# Square

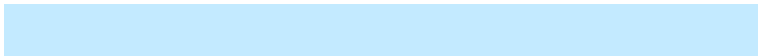
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5692, 78.8720, 60.4257



65.4524, 78.8720, 78.7150



72.4207, 78.8720, 117.6300



85.3584, 78.8720, 93.4634

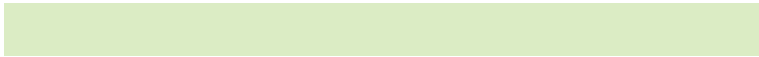


# Rectangle

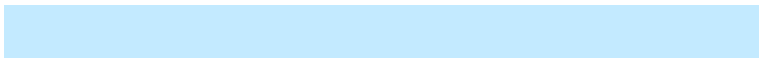
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5692, 78.8720, 60.4257



69.1574, 78.8720, 64.0791



72.4207, 78.8720, 117.6300



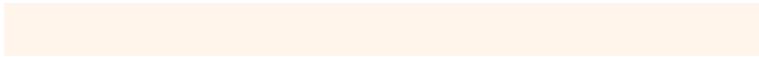
81.0899, 78.8720, 112.1330

# Sweetspot

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



77.5711, 78.8755, 60.4273



88.9631, 92.8060, 91.5191



73.0472, 63.7928, 77.5243



18.8085, 19.5852, 18.9333



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.



77.5711, 78.8755, 60.4273



74.6961, 75.2343, 52.9679



86.0128, 96.3399, 63.3534



18.8085, 19.5852, 18.9333



26.2627, 20.5366, 2.5798

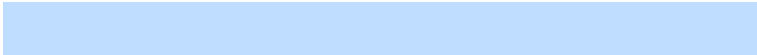


2.6665, 2.2184, 0.2877



# Inverse Universe

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



65.3916, 70.0072, 104.6740



60.6610, 65.0162, 103.9599



58.4368, 55.6978, 102.2785



17.7049, 18.7814, 22.9420



13.0567, 11.0230, 50.8741

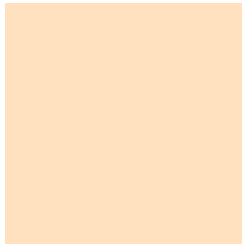


1.3795, 1.2897, 4.9895



# Previews

## White Background



This preview shows how the XYZ color 77.5692, 78.8720, 60.4257 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 77.5692, 78.8720, 60.4257 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 77.5692, 78.8720, 60.4257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5692, 78.8720, 60.4257.



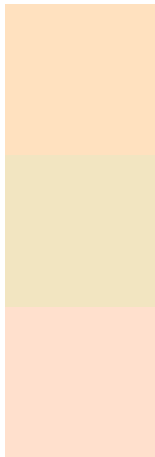
This preview shows how white text looks on a background with the XYZ color 77.5692, 78.8720,

60.4257.

# 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

77.5692, 78.8720, 60.4257

### Protanopia

74.2629, 78.7661, 61.7414

### Deuteranopia

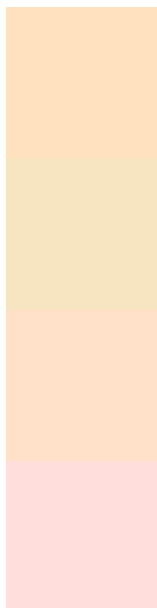
78.9151, 78.9791, 68.8428



## Tritanopia

82.0918, 78.9711, 89.5135

# Trichromacy



## Original Color

77.5692, 78.8720, 60.4257

## Protanomaly

75.6156, 79.0667, 61.1452

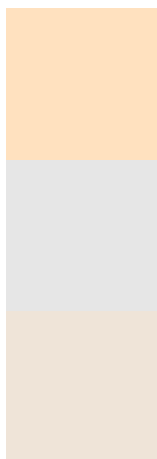
## Deuteranomaly

78.3210, 78.7414, 65.7142

## Tritanomaly

80.1475, 78.6170, 77.9682

# Monochromacy



## Original Color

77.5692, 78.8720, 60.4257

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.7347, 78.7954, 76.1831

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5692, 78.8720, 60.4257 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, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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(255, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5692, 78.8720, 60.4257 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, 225, 191) }
```



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

```
.border{ border-color:rgb(255, 225, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5692, 78.8720, 60.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 191) }
```

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

```
.background{ background-color: rgb(255,  
225, 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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