

# Converting Colors

XYZ(73.1535, 78.3953, 52.3431)

Have a look what the booklet for  
XYZ(73.1535, 78.3953, 52.3431)  
contains.

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# Color

**XYZ(73.1640, 78.4063,  
52.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E5B0
RGB	244, 229, 176
RGB Percent	96%, 90%, 69%
CMY	0.0431, 0.1019, 0.3098
CMYK	0.00, 0.06, 0.28, 0.04
HSL	47°, 76%, 82%
HSV	47°, 28%, 96%
XYZ	73.1640, 78.4063, 52.3521
YIQ	227.4430, 25.9530, -13.3030

# Conversions

## Conversions Part 2

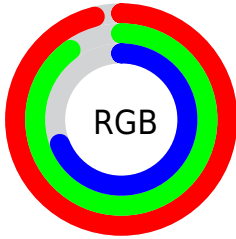
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 244, 176
Decimal	16049584
CIE <sub>Lab</sub>	90.96, -2.82, 27.74
CIE <sub>LCh</sub>	91, 27.883, 95.804
Yxy	78.4063, 0.3588, 0.3845
Android (android.graphics.Color)	4294239664 (0xFFFF4E5B0)
YUV	227.4430, -25.3614, 14.5205
Hunter-Lab	88.5473, -7.4686, 26.9289

# Details

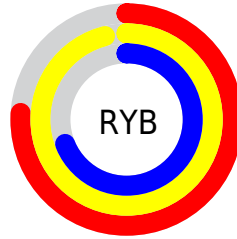
The XYZ color **73.1640, 78.4063, 52.3521** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.8641, 53.0220, 93.0362**, and the grayscale version is **73.5037, 77.3316, 84.2141**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **39.2047, 42.2670, 24.8309** is the 20% darker color. If you saturate the color by 10%, you get **69.4985, 74.5975, 40.2710**, and if you desaturate by 10%, it is **77.3137, 82.4881, 66.7372**.

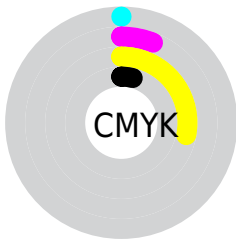
# Distribution



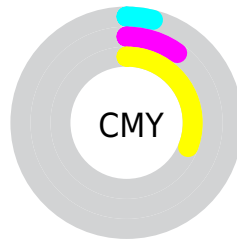
- Red (96%)
- Green (90%)
- Blue (69%)



- Red (76%)
- Yellow (96%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (28%)
- Black (4%)




- Cyan (4%)
- Magenta (10%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1640, 78.4063, 52.3521 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 73.1640, 78.4063, 52.3521 by changing the saturation by 10% instead.





 73.1640, 78.4063,  
52.3521

 73.1640, 78.4063,  
52.3521


460.6780,  
489.5456, 412.7900

 54.3989, 58.4078,  
36.9016


 122.7119,  
131.1227, 95.0822

 39.1526, 42.1366,  
24.8361


154.2254,  
164.6094, 123.1988

 27.0597, 29.2083,  
15.7371


190.7191,  
203.3610, 156.3747

 17.7549, 19.2384,  
9.1860

232.5584,  
247.7618, 195.0282

 10.8728, 11.8427,  
4.7642

280.1085,  
298.1963, 239.5779

 6.0480, 6.6366,  
2.0533

333.7350,

 2.9152, 3.2359,

355.0488, 290.4425

0.5878

393.8030,  
418.7038, 348.0403

■ 1.1091, 1.2561,  
0.0000

■ 0.0327, 0.1068,  
0.0000

■ 73.1640, 78.4063,  
52.3521

■ 73.1640, 78.4063,  
52.3521

■ 69.4985, 74.5975,  
40.2710

■ 77.3137, 82.4881,  
66.7372

■ 66.2874, 71.0409,  
30.3663

■ 81.9635, 86.8416,  
83.5349

■ 63.5069, 67.7291,  
22.5058

■ 87.1358, 91.4793,  
102.8527

■ 61.1283, 64.6498,  
16.5404

■ 89.7081, 95.1528,  
108.2459

■ 59.1192, 61.7895,  
12.3009

■ 91.1183, 97.9731,  
108.7160

■ 57.4412, 59.1321,  
9.5880

■ 56.0426, 56.6561,  
8.1313

■ 55.7643, 56.1452,  
7.8980

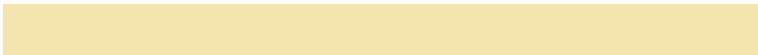
# Harmonies

## Analogous

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



80.2029, 78.4063, 54.6985



73.1640, 78.4063, 52.3521



66.8898, 78.4063, 57.6604

# Triad

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



73.1640, 78.4063, 52.3521



64.0865, 78.4063, 110.0861



87.5482, 78.4063, 102.2454

# Complementary

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



73.1640, 78.4063, 52.3521



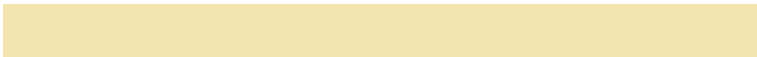
52.8641, 53.0220, 93.0362

# Split Complementary

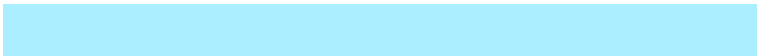
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7155, 78.4063, 120.7832



73.1640, 78.4063, 52.3521



69.1175, 78.4063, 125.7853

# Square

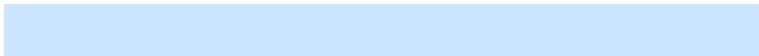
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1640, 78.4063, 52.3521



61.8648, 78.4063, 89.3468



75.8984, 78.4063, 129.9789



88.7994, 78.4063, 81.5152

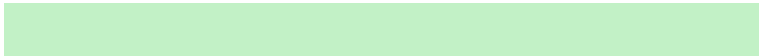


# Rectangle

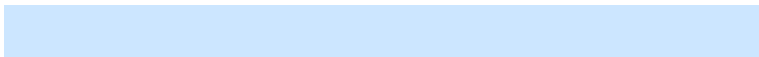
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1640, 78.4063, 52.3521



63.8900, 78.4063, 65.4054



75.8984, 78.4063, 129.9789



86.2745, 78.4063, 109.0353

# Sweetspot

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



73.1660, 78.4099, 52.3537



90.5194, 95.9185, 92.0378



62.3339, 54.0846, 56.9467



19.2014, 20.3711, 19.0643



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

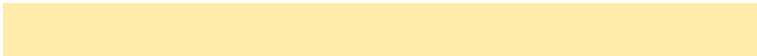


# Same Dimension

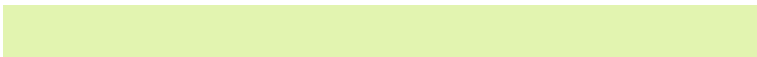
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1660, 78.4099, 52.3537



78.6999, 84.4416, 50.6041



71.5099, 83.9835, 53.5169



17.5866, 18.6572, 17.4719



30.4272, 30.7401, 4.3297



2.7489, 2.8511, 0.4054



# Inverse Universe

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



52.8641, 53.0220, 93.0362



53.0969, 52.4311, 101.9294



54.1377, 49.0704, 92.2063



15.8774, 16.5192, 20.8943



9.6735, 5.1407, 47.0204

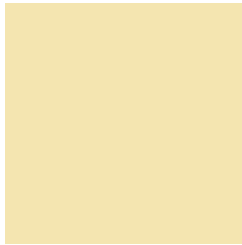


0.9234, 0.5983, 4.1570



# Previews

## White Background



This preview shows how the XYZ color 73.1640, 78.4063, 52.3521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

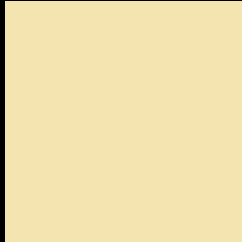
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1640, 78.4063, 52.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

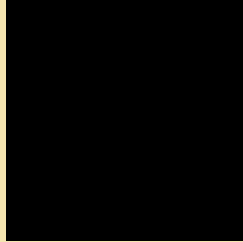
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.1640, 78.4063, 52.3521**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1640, 78.4063, 52.3521.



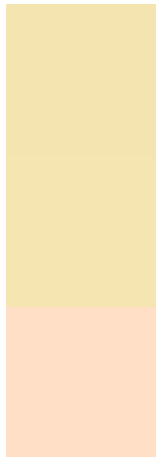
This preview shows how white text looks on a background with the XYZ color 73.1640, 78.4063,



# 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

73.1640, 78.4063, 52.3521

### Protanopia

73.5120, 78.5857, 52.3684

### Deuteranopia

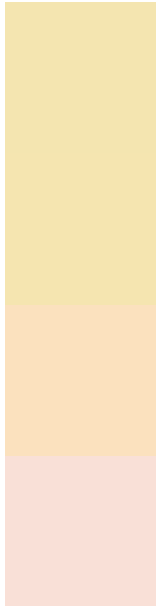
77.8207, 78.1126, 64.4017



## Tritanopia

81.4340, 78.5814, 91.7646

# Trichromacy



## Original Color

73.1640, 78.4063, 52.3521

## Protanomaly

73.5120, 78.5857, 52.3684

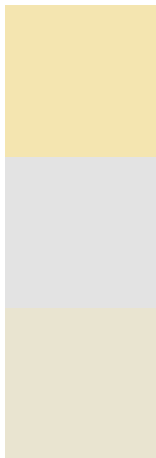
## Deuteranomaly

76.0031, 78.0774, 59.7798

## Tritanomaly

77.9883, 78.3573, 75.3040

# Monochromacy



## Original Color

73.1640, 78.4063, 52.3521

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.7328, 77.3645, 70.7739

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1640, 78.4063, 52.3521 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(244, 229, 176)` looks like.

```
.text, #text, p{  
    color:rgb(244, 229, 176)  
}
```

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(244, 229, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 229, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1640, 78.4063, 52.3521 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(244, 229, 176) }
```



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

```
.border{ border-color:rgb(244, 229, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 229, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 229, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 229, 176); box-shadow:4px 4px 4px 4px rgb(244, 229, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1640, 78.4063, 52.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 229, 176) }
```

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

```
.background{ background-color: rgb(244,  
229, 176) }
```

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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