

# Converting Colors

XYZ(72.9356, 78.4666, 44.8145)

Have a look what the booklet for XYZ(72.9356, 78.4666, 44.8145) contains.

**XYZ(72.8101, 78.3860, 45.0107) ..... 3**

- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(72.8101, 78.3860,  
45.0107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E5A1
RGB	247, 229, 161
RGB Percent	97%, 90%, 63%
CMY	0.0314, 0.1019, 0.3686
CMYK	0.00, 0.07, 0.35, 0.03
HSL	47°, 84%, 80%
HSV	47°, 35%, 97%
XYZ	72.8101, 78.3860, 45.0107
YIQ	226.6300, 32.5560, -17.3320

# Conversions

## Conversions Part 2

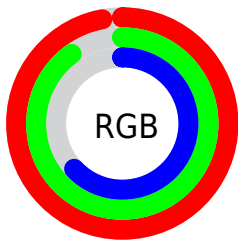
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 247, 161
Decimal	16246177
CIE <sub>Lab</sub>	90.96, -3.52, 35.42
CIE <sub>LCh</sub>	91, 35.594, 95.675
Yxy	78.3860, 0.3711, 0.3995
Android (android.graphics.Color)	4294436257 (0xFFF7E5A1)
YUV	226.6300, -32.3556, 17.8645
Hunter-Lab	88.5359, -8.1430, 31.8327

# Details

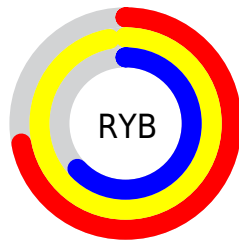
The XYZ color **72.8101, 78.3860, 45.0107** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.6062, 46.5312, 94.4680**, and the grayscale version is **72.9575, 76.7570, 83.5884**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **38.8826, 42.1950, 20.5631** is the 20% darker color. If you saturate the color by 10%, you get **69.4354, 74.7848, 34.1806**, and if you desaturate by 10%, it is **76.6616, 82.2517, 58.1242**.

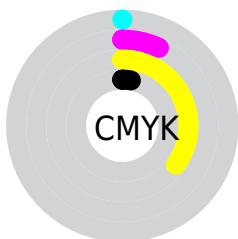
# Distribution



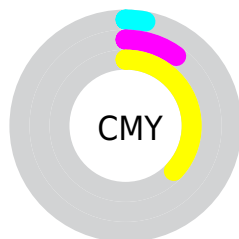
- Red (97%)
- Green (90%)
- Blue (63%)



- Red (72%)
- Yellow (97%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (3%)




- Cyan (3%)
- Magenta (10%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8101, 78.3860, 45.0107 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 72.8101, 78.3860, 45.0107 by changing the saturation by 10% instead.





 72.8101, 78.3860,  
45.0107


 72.8101, 78.3860,  
45.0107


459.4704,  
489.4767, 382.9783

 54.1085, 58.3911,  
31.1228


 122.2122,  
131.0941, 84.0551

 38.9194, 42.1232,  
20.4332


 153.6434,  
164.5761, 110.0487

 26.8775, 29.1977,  
12.5231


190.0485,  
203.3227, 140.9146

 17.6174, 19.2305,  
6.9741

231.7929,  
247.7181, 177.0715

 10.7736, 11.8369,  
3.3677

279.2419,  
298.1468, 218.9377

 5.9810, 6.6327,  
1.2853

332.7609,

 2.8741, 3.2335,

354.9933, 266.9319

0.0497

392.7153,  
418.6418, 321.4726

■ 1.0875, 1.2548,  
0.0000

■ 0.0146, 0.1058,  
0.0000

■ 72.8101, 78.3860,  
45.0107

■ 72.8101, 78.3860,  
45.0107

■ 69.4354, 74.7848,  
34.1806

■ 76.6616, 82.2517,  
58.1242

■ 66.5059, 71.4263,  
25.4948

■ 81.0077, 86.3811,  
73.6395

■ 63.9948, 68.3022,  
18.8066

■ 85.8725, 90.7873,  
91.6724

■ 61.8702, 65.3990,  
13.9489

■ 90.4936, 95.1659,  
108.2071

■ 60.0948, 62.7012,  
10.7271

■ 92.1189, 98.4164,  
108.7488

■ 58.6228, 60.1899,  
8.9022

■ 92.1678, 98.5142,  
108.7651

■ 57.9445, 58.9476,  
8.3240

# Harmonies

## Analogous

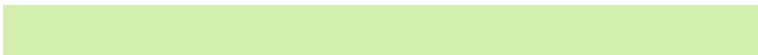
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8402, 78.3860, 47.7711



72.8101, 78.3860, 45.0107



64.8860, 78.3860, 51.1677

# Triad

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



72.8101, 78.3860, 45.0107



61.3461, 78.3860, 117.5373



91.3605, 78.3860, 107.3679

# Complementary

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



72.8101, 78.3860, 45.0107



47.6062, 46.5312, 94.4680

# 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.



85.0273, 78.3860, 132.1202



72.8101, 78.3860, 45.0107



67.6190, 78.3860, 138.7685

# Square

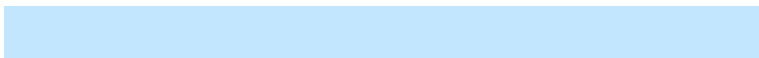
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8101, 78.3860, 45.0107



58.6170, 78.3860, 90.3300



76.2230, 78.3860, 144.5795



93.0287, 78.3860, 80.5546

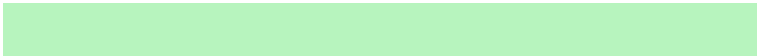


# Rectangle

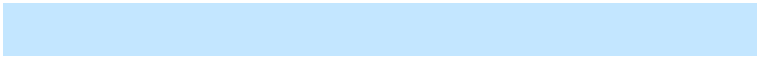
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8101, 78.3860, 45.0107



61.1415, 78.3860, 60.4039



76.2230, 78.3860, 144.5795



89.6830, 78.3860, 116.3606

# Sweetspot

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



72.8121, 78.3896, 45.0123



89.5342, 95.1080, 88.1340



59.3041, 48.5451, 49.2298



19.0080, 20.2151, 18.2878



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.



72.8121, 78.3896, 45.0123



75.6006, 81.4415, 39.7107



70.0128, 84.7247, 46.3827



17.6031, 18.6904, 17.4774



30.7512, 31.3879, 4.4377



2.7748, 2.9028, 0.4141



# Inverse Universe

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



47.6062, 46.5312, 94.4680



44.6774, 42.3720, 100.4316



49.6303, 42.5661, 93.5960



15.8621, 16.4884, 20.8891



9.6027, 4.9992, 46.9969

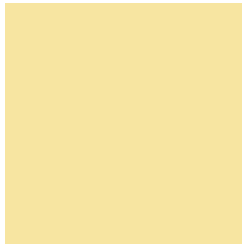


0.9152, 0.5817, 4.1543



# Previews

## White Background



This preview shows how the XYZ color 72.8101, 78.3860, 45.0107 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 72.8101, 78.3860, 45.0107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

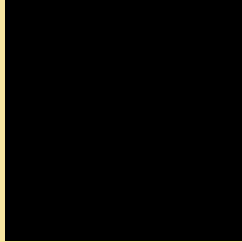
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8101, 78.3860, 45.0107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8101, 78.3860, 45.0107.



This preview shows how white text looks on a background with the XYZ color 72.8101, 78.3860,



# 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

72.8101, 78.3860, 45.0107

### Protanopia

72.8101, 78.3860, 45.0107

### Deuteranopia

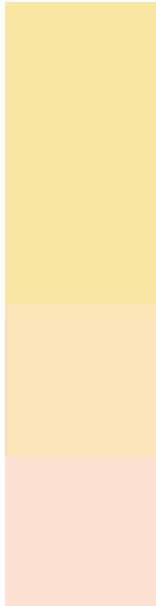
77.7460, 78.5114, 62.6863



## Tritanopia

81.9735, 78.5025, 90.1889

# Trichromacy



## Original Color

72.8101, 78.3860, 45.0107

## Protanomaly

72.8101, 78.3860, 45.0107

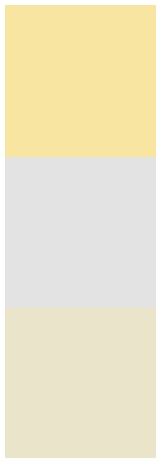
## Deuteranomaly

75.8885, 78.5071, 55.9534

## Tritanomaly

78.0412, 78.0742, 71.2782

# Monochromacy



## Original Color

72.8101, 78.3860, 45.0107

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.4546, 77.2910, 67.5998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8101, 78.3860, 45.0107 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(247, 229, 161)` looks like.

```
.text, #text, p{  
    color:rgb(247, 229, 161)  
}
```

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(247, 229, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8101, 78.3860, 45.0107 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(247, 229, 161) }
```



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

```
.border{ border-color:rgb(247, 229, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 229, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 229, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 229, 161); box-shadow:4px 4px 4px 4px rgb(247, 229, 161) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8101, 78.3860, 45.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 229, 161) }
```

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

```
.background{ background-color: rgb(247,  
229, 161) }
```

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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