

Converting Colors

XYZ(72.9360, 87.3932, 45.6044)

Have a look what the booklet for
XYZ(72.9360, 87.3932, 45.6044)
contains.

XYZ(72.7668, 87.0776, 45.7733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.7668, 87.0776,
45.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F99F
RGB	230, 249, 159
RGB Percent	90%, 98%, 62%
CMY	0.0980, 0.0235, 0.3765
CMYK	0.08, 0.00, 0.36, 0.02
HSL	73°, 88%, 80%
HSV	73°, 36%, 98%
XYZ	72.7668, 87.0776, 45.7733
YIQ	233.0590, 17.5660, -32.0180

Conversions

Conversions Part 2

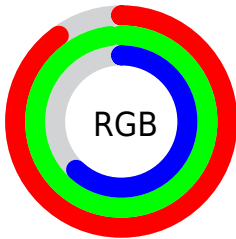
Format	Color
RYB	159, 249, 178
Decimal	15137183
CIELab	94.77, -20.06, 41.16
CIELCh	95, 45.787, 115.978
Yxy	87.0776, 0.3539, 0.4235
Android (android.graphics.Color)	4293327263 (0xFFE6F99F)
YUV	233.0590, -36.5111, -2.6827
Hunter-Lab	93.3154, -24.1086, 36.2377

Details

The XYZ color **72.7668, 87.0776, 45.7733** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.8605, 41.1031, 95.0388**, and the grayscale version is **77.7555, 81.8048, 89.0855**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **38.9051, 48.0648, 20.8626** is the 20% darker color. If you saturate the color by 10%, you get **69.1587, 85.4453, 35.4391**, and if you desaturate by 10%, it is **76.8655, 88.9180, 58.4059**.

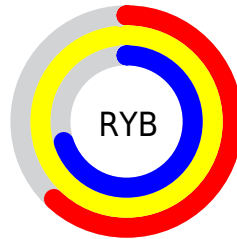
Distribution



Red (90%)

Green (98%)

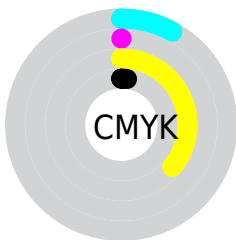
Blue (62%)



Red (62%)

Yellow (98%)

Blue (70%)

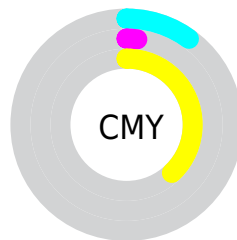


Cyan (8%)

Magenta (0%)

Yellow (36%)

Black (2%)



Cyan (10%)


Magenta (2%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7668, 87.0776, 45.7733 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 72.7668, 87.0776, 45.7733 by changing the saturation by 10% instead.


 72.7668, 87.0776,
45.7733


 72.7668, 87.0776,
45.7733


459.3225,
518.4778, 386.1476

 54.0730, 65.5594,
31.7196


 122.1510,
143.2723, 85.2103

 38.8909, 47.9148,
20.8844


 153.5721,
178.7176, 111.4307

 26.8552, 33.7595,
12.8491

189.9664,
219.5741, 142.5438

 17.6005, 22.7089,
7.1952

231.6992,
266.2261, 178.9680

 10.7615, 14.3787,
3.5042

279.1358,
319.0581, 221.1219

 5.9728, 8.3845,
1.3575

332.6417,

 2.8691, 4.3420,

378.4545, 269.4242

0.1082

392.5821,
444.7996, 324.2932

■ 1.0849, 1.8666,
0.0000

■ 0.0124, 0.5282,
0.0000

■ 72.7668, 87.0776,
45.7733

■ 72.7668, 87.0776,
45.7733

■ 69.1587, 85.4453,
35.4391

■ 76.8655, 88.9180,
58.4059

■ 66.0079, 83.9988,
27.2593

■ 81.4728, 90.9647,
73.4582

■ 63.2870, 82.7301,
21.0823

■ 86.6136, 93.2309,
91.0498

■ 60.9626, 81.6256,
16.7345

■ 91.7232, 95.4906,
108.2049

■ 58.9956, 80.6698,
14.0129

■ 93.1676, 96.2352,
108.2725

■ 57.3378, 79.8433,
12.6649

■ 56.7528, 79.5478,
12.3631

Harmonies

Analogous

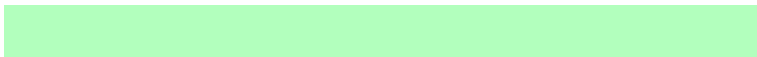
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4459, 87.0776, 41.7598



72.7668, 87.0776, 45.7733



64.5567, 87.0776, 61.5477

Triad

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



72.7668, 87.0776, 45.7733



70.1444, 87.0776, 163.3067



108.8614, 87.0776, 99.6762

Complementary

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



72.7668, 87.0776, 45.7733



47.8605, 41.1031, 95.0388

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.



104.1097, 87.0776, 138.3135



72.7668, 87.0776, 45.7733



81.1059, 87.0776, 180.4021

Square

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



72.7668, 87.0776, 45.7733



63.1520, 87.0776, 127.9296



93.6387, 87.0776, 170.2758



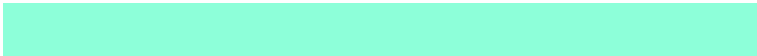
106.0679, 87.0776, 67.9695

Rectangle

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



72.7668, 87.0776, 45.7733



61.7460, 87.0776, 79.2316



93.6387, 87.0776, 170.2758



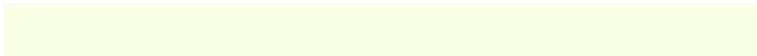
108.0819, 87.0776, 112.3133

Sweetspot

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



72.7690, 87.0815, 45.7751



88.7125, 97.2171, 86.7260



61.0502, 54.0898, 40.0247



18.8314, 20.7393, 18.0279



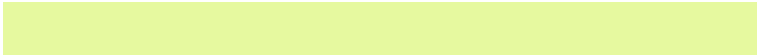
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

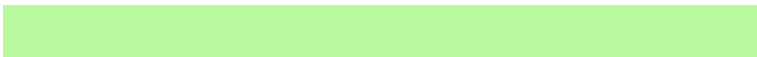
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7690, 87.0815, 45.7751



74.1263, 90.7050, 40.5307



60.3864, 80.6980, 45.1957



18.3475, 19.9949, 18.3548



30.5006, 42.6419, 6.6232



2.9114, 3.9940, 0.6175

Inverse Universe

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



47.8605, 41.1031, 95.0388



44.4851, 35.9583, 99.2038



59.6242, 47.1675, 95.5893



16.6255, 16.8196, 21.7555



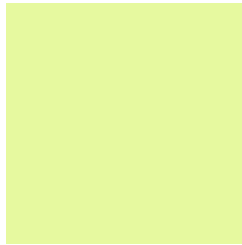
10.0219, 4.1092, 48.2385



1.0126, 0.4241, 4.4717

Previews

White Background



This preview shows how the XYZ color 72.7668, 87.0776, 45.7733 looks on a white background.

Color Contrast Check

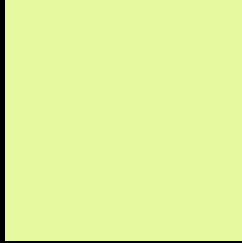
Large Text (above 18pt) WCAG AA × Fail

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 72.7668, 87.0776, 45.7733 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 72.7668, 87.0776, 45.7733

Background



This preview shows how black text looks on a background with the XYZ color 72.7668, 87.0776, 45.7733.

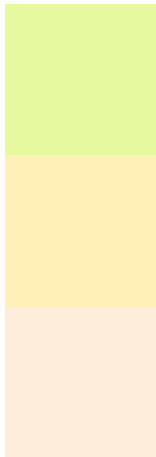


This preview shows how white text looks on a background with the XYZ color 72.7668, 87.0776,

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

72.7668, 87.0776, 45.7733

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

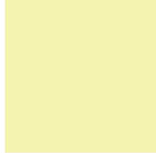
84.9521, 86.6656, 106.8584

Trichromacy



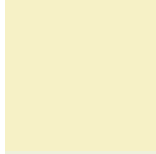
Original Color

72.7668, 87.0776, 45.7733



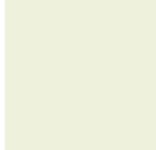
Protanomaly

77.6966, 86.7500, 52.6938



Deuteranomaly

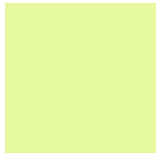
79.6544, 86.5806, 65.9396



Tritanomaly

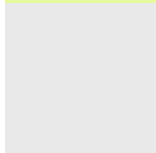
79.6335, 86.2550, 80.1619

Monochromacy



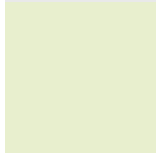
Original Color

72.7668, 87.0776, 45.7733



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.2858, 83.3450, 70.5117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7668, 87.0776, 45.7733 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(230, 249, 159)` looks like.

```
.text, #text, p{  
    color:rgb(230, 249, 159)  
}
```

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(230, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 249, 159) }
```

Border

The CSS property to change the border of an element to XYZ 72.7668, 87.0776, 45.7733 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(230, 249, 159) }
```


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

```
.border{ border-color:rgb(230, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 249, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 249, 159);  
box-shadow:4px 4px 4px 4px rgb(230, 249,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7668, 87.0776, 45.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 249, 159) }
```

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

```
.background{ background-color: rgb(230,  
249, 159) }
```

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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