

Converting Colors

XYZ(78.0861, 85.8698, 42.2120)

Have a look what the booklet for
XYZ(78.0861, 85.8698, 42.2120)
contains.

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Color

**XYZ(78.0676, 85.8472,
42.1613)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF098
RGB	255, 240, 152
RGB Percent	100%, 94%, 60%
CMY	0.0000, 0.0588, 0.4039
CMYK	0.00, 0.06, 0.40, 0.00
HSL	51°, 100%, 80%
HSV	51°, 40%, 100%
XYZ	78.0676, 85.8472, 42.1613
YIQ	234.4530, 37.1880, -24.1880

Conversions

Conversions Part 2

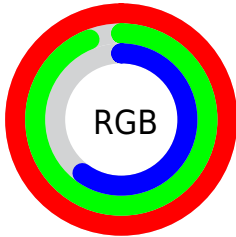
Format	Color
R _Y B	170, 255, 152
Decimal	16773272
CIE Lab	94.25, -6.95, 44.31
CIE LCh	94, 44.848, 98.914
Yxy	85.8472, 0.3788, 0.4166
Android (android.graphics.Color)	4294963352 (0xFFFFF098)
YUV	234.4530, -40.6493, 18.0197
Hunter-Lab	92.6538, -11.7447, 37.8782

Details

The XYZ color **78.0676, 85.8472, 42.1613** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.8173, 41.5315, 100.2619**, and the grayscale version is **78.8309, 82.9363, 90.3176**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **42.4186, 47.0521, 18.6507** is the 20% darker color. If you saturate the color by 10%, you get **75.1187, 82.9400, 31.9590**, and if you desaturate by 10%, it is **81.4921, 88.9866, 54.7391**.

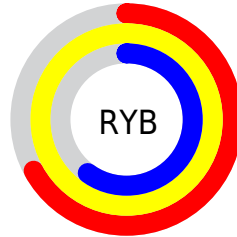
Distribution



Red (100%)

Green (94%)

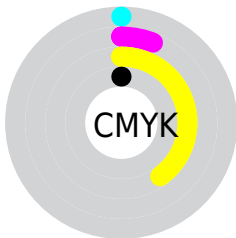
Blue (60%)



Red (67%)

Yellow (100%)

Blue (60%)

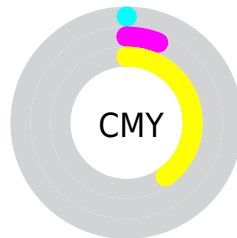


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0676, 85.8472, 42.1613 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 78.0676, 85.8472, 42.1613 by changing the saturation by 10% instead.


 78.0676, 85.8472,
42.1613


 78.0676, 85.8472,
42.1613


477.2327,
514.4272, 370.9705

 58.4325, 64.5416,
28.9011


 129.6103,
141.5562, 79.7164

 42.4010, 47.0895,
18.7611


 162.2485,
176.7285, 104.8484

 29.6079, 33.1064,
11.3227


199.9519,
217.2918, 134.7747

 19.6878, 22.2080,
6.1674

243.0857,
263.6305, 169.9140

 12.2752, 14.0098,
2.8767

292.0154,
316.1290, 210.6846

 7.0049, 8.1275,
1.0320

347.1062,

 3.5116, 4.1766,

375.1717, 257.5052

0.0000

408.7235,
441.1430, 310.7943

■ 1.4297, 1.7729,
0.0000

■ 0.2772, 0.4702,
0.0000

■ 78.0676, 85.8472,
42.1613

■ 78.0676, 85.8472,
42.1613

■ 75.1187, 82.9400,
31.9590

■ 81.4921, 88.9866,
54.7391

■ 72.6099, 80.2414,
23.9738

■ 85.4124, 92.3572,
69.8265

■ 70.5108, 77.7419,
18.0365

■ 89.8552, 95.9729,
87.5538

■ 68.7838, 75.4265,
13.9514

94.8434, 99.8432,
108.0409

■ 67.3846, 73.2771, 95.0500, 100.0000,
11.4842 108.9000

■ 66.2802, 71.3404,
10.2767

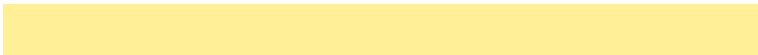
Harmonies

Analogous

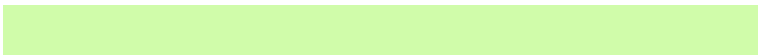
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1921, 85.8472, 44.3332



78.0676, 85.8472, 42.1613



67.9268, 85.8472, 50.8650

Triad

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



78.0676, 85.8472, 42.1613



64.9073, 85.8472, 141.4972



105.1043, 85.8472, 119.3542

Complementary

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



78.0676, 85.8472, 42.1613



44.8173, 41.5315, 100.2619

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.



96.9842, 85.8472, 154.9832



78.0676, 85.8472, 42.1613



73.5627, 85.8472, 169.7930

Square

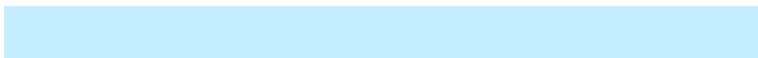
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0676, 85.8472, 42.1613



60.8339, 85.8472, 104.1043



85.2275, 85.8472, 175.2564



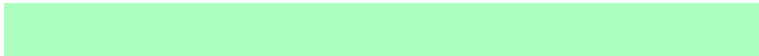
106.6124, 85.8472, 83.5913

Rectangle

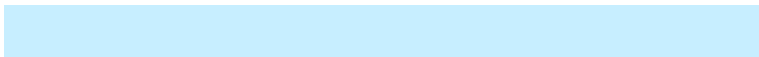
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0676, 85.8472, 42.1613



63.3667, 85.8472, 63.3041



85.2275, 85.8472, 175.2564



103.0218, 85.8472, 131.9653

Sweetspot

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



78.0697, 85.8511, 42.1631



89.1043, 95.3743, 84.5186



59.4856, 46.5241, 42.6236



18.9437, 20.3110, 17.5741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

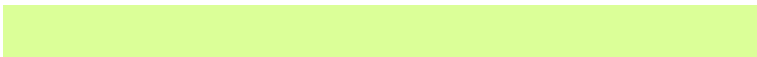
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0697, 85.8511, 42.1631



75.7830, 83.6164, 34.1911



70.6263, 88.8395, 43.1322



19.3226, 20.6134, 19.1047



34.7189, 37.4490, 5.3985



3.4393, 3.7639, 0.5452

Inverse Universe

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



44.8173, 41.5315, 100.2619



38.6330, 34.1203, 99.1574



50.0304, 40.3752, 99.7640



17.2163, 17.8042, 22.7791



9.8430, 4.5956, 49.8028



1.0190, 0.5688, 4.8693

Previews

White Background



This preview shows how the XYZ color 78.0676, 85.8472, 42.1613 looks on a white background.

Color Contrast Check

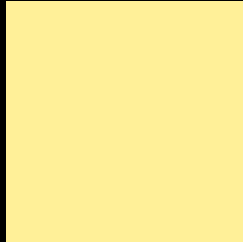
Large Text (above 18pt) WCAG AA × Fail

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 78.0676, 85.8472, 42.1613 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 78.0676, 85.8472, 42.1613

Background



This preview shows how black text looks on a background with the XYZ color 78.0676, 85.8472, 42.1613.



This preview shows how white text looks on a background with the XYZ color 78.0676, 85.8472,

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

78.0676, 85.8472, 42.1613

Protanopia

79.6510, 85.5437, 53.3878

Deuteranopia

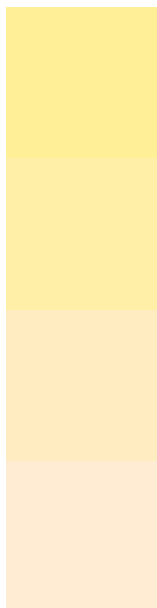
83.3430, 85.6345, 77.1022



Tritanopia

86.5566, 86.0089, 96.8334

Trichromacy



Original Color

78.0676, 85.8472, 42.1613

Protanomaly

79.0816, 85.7830, 48.9490

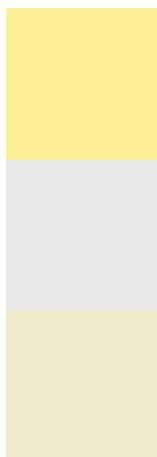
Deuteranomaly

81.1498, 85.6786, 62.7127

Tritanomaly

82.8683, 85.9040, 73.1863

Monochromacy



Original Color

78.0676, 85.8472, 42.1613

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5125, 83.2278, 69.1060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0676, 85.8472, 42.1613 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, 240, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 152)  
}
```

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, 240, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 152) }
```

Border

The CSS property to change the border of an element to XYZ 78.0676, 85.8472, 42.1613 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, 240, 152) }
```


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

```
.border{ border-color:rgb(255, 240, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0676, 85.8472, 42.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 152) }
```

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

```
.background{ background-color: rgb(255,  
240, 152) }
```

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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