

Converting Colors

XYZ(74.4792, 83.8478, 25.0042)

Have a look what the booklet for
XYZ(74.4792, 83.8478, 25.0042)
contains.

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Color

**XYZ(74.5547, 83.9723,
25.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF67
RGB	255, 239, 103
RGB Percent	100%, 94%, 40%
CMY	0.0000, 0.0627, 0.5961
CMYK	0.00, 0.06, 0.60, 0.00
HSL	54°, 100%, 70%
HSV	54°, 60%, 100%
XYZ	74.5547, 83.9723, 25.1108
YIQ	228.2800, 53.1920, -38.9040

Conversions

Conversions Part 2

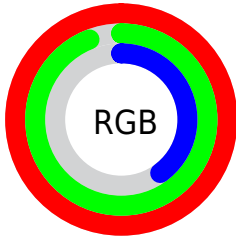
Format	Color
R_{YB}	121, 255, 103
Decimal	16772967
CIE _{Lab}	93.44, -10.60, 66.04
CIE _{LCh}	93, 66.883, 99.115
Yxy	83.9723, 0.4060, 0.4573
Android (android.graphics.Color)	4294963047 (0xFFFFEF67)
YUV	228.2800, -61.7630, 23.4334
Hunter-Lab	91.6364, -15.1374, 47.8985

Details

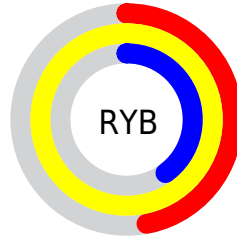
The XYZ color **74.5547, 83.9723, 25.1108** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.2403, 23.2966, 97.5101**, and the grayscale version is **74.3608, 78.2333, 85.1961**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **39.9323, 45.6663, 9.2946** is the 20% darker color. If you saturate the color by 10%, you get **72.6860, 81.9804, 19.1077**, and if you desaturate by 10%, it is **76.8292, 86.1515, 33.1760**.

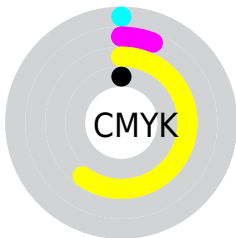
Distribution



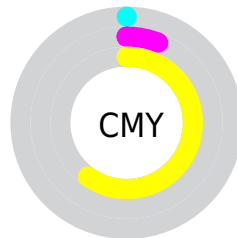
- Red (100%)
- Green (94%)
- Blue (40%)



- Red (47%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5547, 83.9723, 25.1108 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 74.5547, 83.9723, 25.1108 by changing the saturation by 10% instead.


 74.5547, 83.9723,
25.1108

 74.5547, 83.9723,
25.1108


465.4064,
508.2213, 291.8546

 55.5410, 62.9926,
15.9399


 124.6731,
138.9364, 52.8033


 40.0706, 45.8352,
9.3277


 156.5086,
173.6896, 72.1619

 27.7781, 32.1158,
4.8558


 193.3487,
213.8027, 95.7534

 18.2980, 21.4500,
2.1057

 235.5588,
259.6602, 123.9965

 11.2652, 13.4533,
0.6191

283.5043,
311.6464, 157.3096

 6.3141, 7.7414,
0.0000

337.5505,

 3.0795, 3.9299,

370.1457, 196.1113

0.0000

398.0627,
435.5425, 240.8201

■ 1.1959, 1.6345,
0.0000

■ 0.1031, 0.3807,
0.0000

■ 74.5547, 83.9723,
25.1108

■ 74.5547, 83.9723,
25.1108

■ 72.6860, 81.9804,
19.1077

■ 76.8292, 86.1515,
33.1760

■ 71.1803, 80.1491,
14.9680


■ 79.5359, 88.5191,
43.4675


■ 69.9960, 78.4649,
12.4631

■ 82.7054, 91.0908,
56.1387

■ 69.0643, 76.9001,
11.2320

■ 86.3643, 93.8770,
71.3282

 69.0297, 76.8397,
11.1933

 90.5367, 96.8876,
89.1638

95.0498, 99.9999,
108.9000

Harmonies

Analogous

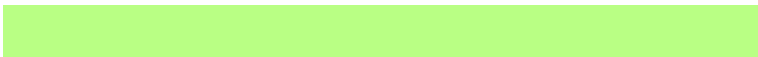
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5376, 83.9723, 27.3547



74.5547, 83.9723, 25.1108



60.2539, 83.9723, 34.8396

Triad

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



74.5547, 83.9723, 25.1108



56.2642, 83.9723, 167.5107



115.9191, 83.9723, 130.6561

Complementary

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



74.5547, 83.9723, 25.1108



30.2403, 23.2966, 97.5101

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.



103.2041, 83.9723, 189.5168



74.5547, 83.9723, 25.1108



68.3122, 83.9723, 215.6765

Square

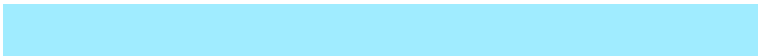
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.5547, 83.9723, 25.1108



50.7665, 83.9723, 107.7159



85.3132, 83.9723, 224.9498



118.2452, 83.9723, 76.8771

Rectangle

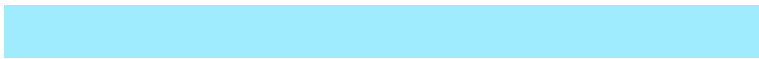
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5547, 83.9723, 25.1108



54.0793, 83.9723, 50.0536



85.3132, 83.9723, 224.9498



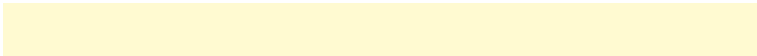
112.6374, 83.9723, 150.9710

Sweetspot

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



74.5567, 83.9762, 25.1125



86.9996, 94.3456, 74.0117



49.5255, 32.3352, 21.6357



18.3774, 20.0132, 14.8118



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.



74.5567, 83.9762, 25.1125



72.2942, 81.5280, 17.9549



61.1647, 84.3335, 25.8873



19.3883, 20.7448, 19.1266



36.1357, 40.2827, 5.8708



3.5634, 4.0121, 0.5866

Inverse Universe

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



30.2403, 23.2966, 97.5101



24.3950, 16.0088, 96.4120



37.6528, 24.5263, 97.3568



17.1568, 17.6852, 22.7593



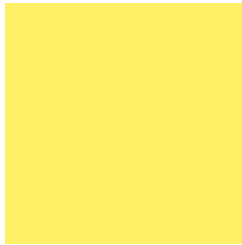
9.6838, 4.2773, 49.7498



0.9911, 0.5129, 4.8600

Previews

White Background



This preview shows how the XYZ color 74.5547, 83.9723, 25.1108 looks on a white background.

Color Contrast Check

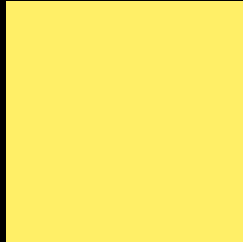
Large Text (above 18pt) WCAG AA × Fail

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 74.5547, 83.9723, 25.1108 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 74.5547, 83.9723, 25.1108

Background



This preview shows how black text looks on a background with the XYZ color 74.5547, 83.9723, 25.1108.

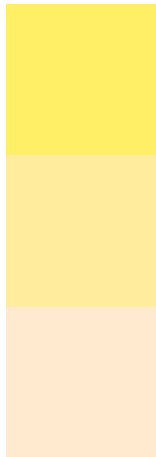


This preview shows how white text looks on a background with the XYZ color 74.5547, 83.9723,

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

74.5547, 83.9723, 25.1108

Protanopia

77.3213, 83.6852, 43.9759

Deuteranopia

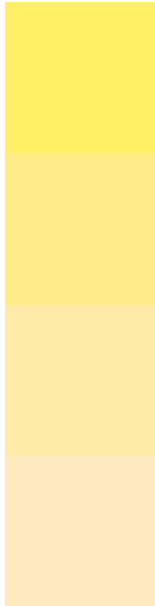
81.6414, 84.0428, 70.9504



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

74.5547, 83.9723, 25.1108

Protanomaly

76.0395, 83.6345, 35.8023

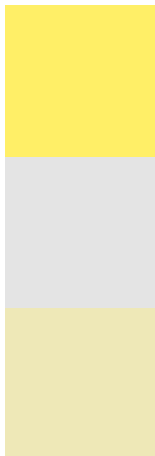
Deuteranomaly

78.1098, 83.5412, 49.5444

Tritanomaly

79.6732, 83.2555, 60.5859

Monochromacy



Original Color

74.5547, 83.9723, 25.1108

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.6638, 79.3093, 56.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5547, 83.9723, 25.1108 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, 239, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 103)  
}
```

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, 239, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 103) }
```

Border

The CSS property to change the border of an element to XYZ 74.5547, 83.9723, 25.1108 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, 239, 103) }
```


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

```
.border{ border-color:rgb(255, 239, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5547, 83.9723, 25.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 103) }
```

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

```
.background{ background-color: rgb(255,  
239, 103) }
```

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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