

Converting Colors

XYZ(104.5895, 100.0000,
26.0273)

Have a look what the booklet for
XYZ(104.5895, 100.0000, 26.0273)
contains.

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Color

**XYZ(74.7491, 84.5198,
24.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF065
RGB	255, 240, 101
RGB Percent	100%, 94%, 40%
CMY	0.0000, 0.0588, 0.6039
CMYK	0.00, 0.06, 0.60, 0.00
HSL	54°, 100%, 70%
HSV	54°, 60%, 100%
XYZ	74.7491, 84.5198, 24.6862
YIQ	228.6390, 53.5590, -40.0490

Conversions

Conversions Part 2

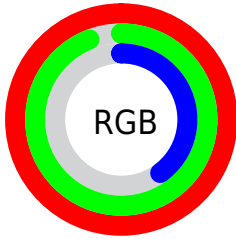
Format	Color
R_{YB}	118, 255, 101
Decimal	16773221
CIE _{Lab}	93.68, -11.22, 67.14
CIE _{LCh}	94, 68.073, 99.486
Yxy	84.5198, 0.4063, 0.4595
Android (android.graphics.Color)	4294963301 (0xFFFFF065)
YUV	228.6390, -62.9260, 23.1186
Hunter-Lab	91.9347, -15.7530, 48.4338

Details

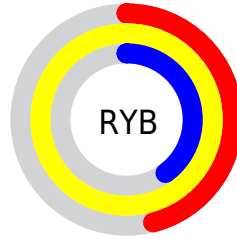
The XYZ color **74.7491, 84.5198, 24.6862** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.6623, 22.4770, 97.3824**, and the grayscale version is **74.6330, 78.5197, 85.5080**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **40.0822, 46.0575, 9.0629** is the 20% darker color. If you saturate the color by 10%, you get **72.9633, 82.6472, 18.8544**, and if you desaturate by 10%, it is **76.9363, 86.5753, 32.5654**.

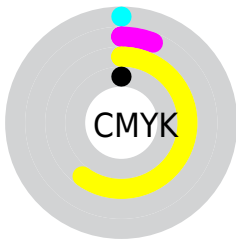
Distribution



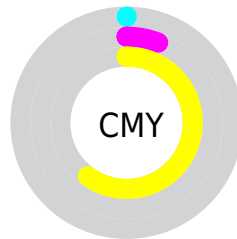
- Red (100%)
- Green (94%)
- Blue (40%)



- Red (46%)
- 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 74.7491, 84.5198, 24.6862 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 74.7491, 84.5198, 24.6862 by changing the saturation by 10% instead.


 74.7491, 84.5198,
24.6862

 74.7491, 84.5198,
24.6862


466.0652,
510.0378, 289.6691


 55.7008, 63.4447,
15.6265


 124.9469,
139.7021, 52.1055


 40.1992, 46.2010,
9.1088


 156.8272,
174.5780, 71.3022

 27.8788, 32.4045,
4.7144


 193.7155,
214.8230, 94.7149

 18.3743, 21.6706,
2.0249

 235.9773,
260.8215, 122.7624

 11.3203, 13.6151,
0.5705

283.9777,
312.9578, 155.8629

 6.3516, 7.8535,
0.0000

338.0823,

 3.1027, 4.0013,

371.6163, 194.4352

0.0000

398.6564,
437.1815, 238.8977

■ 1.2083, 1.6743,
0.0000

■ 0.1129, 0.4069,
0.0000

■ 74.7491, 84.5198,
24.6862

■ 74.7491, 84.5198,
24.6862

■ 72.9633, 82.6472,
18.8544

■ 76.9363, 86.5753,
32.5654

■ 71.5359, 80.9307,
14.8689

■ 79.5516, 88.8150,
42.6577

■ 70.4242, 79.3564,
12.4975

■ 82.6260, 91.2543,
55.1179

■ 69.5849, 77.9500,
11.3783

■ 86.1859, 93.9042,
70.0853

90.2559, 96.7742,
87.6885

94.8588, 99.8738,
108.0472

95.0498, 99.9999,
108.9000

Harmonies

Analogous

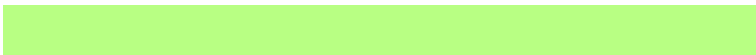
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1192, 84.5198, 26.8002



74.7491, 84.5198, 24.6862



60.2251, 84.5198, 34.6596

Triad

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



74.7491, 84.5198, 24.6862



56.4163, 84.5198, 170.7979



117.4167, 84.5198, 131.4364

Complementary

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



74.7491, 84.5198, 24.6862



29.6623, 22.4770, 97.3824

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.



104.4831, 84.5198, 192.0195



74.7491, 84.5198, 24.6862



68.7753, 84.5198, 220.0251

Square

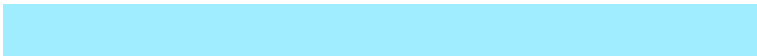
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7491, 84.5198, 24.6862



50.7359, 84.5198, 109.3976



86.1894, 84.5198, 228.9838



119.6541, 84.5198, 76.6012

Rectangle

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



74.7491, 84.5198, 24.6862



53.9920, 84.5198, 50.2252



86.1894, 84.5198, 228.9838



114.0928, 84.5198, 152.2790

Sweetspot

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



74.7511, 84.5238, 24.6879



87.1119, 94.5703, 74.0491



49.0698, 31.8385, 20.2056



18.4052, 20.0688, 14.8211



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.



74.7511, 84.5238, 24.6879



72.7106, 82.3609, 18.0937



60.2038, 83.8496, 25.3245



19.4012, 20.7705, 19.1309



36.4216, 40.8543, 5.9661



3.5883, 4.0619, 0.5949

Inverse Universe

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



29.6623, 22.4770, 97.3824



24.2733, 15.7654, 96.3714



37.7270, 24.2728, 97.3040



17.1452, 17.6621, 22.7554



9.6580, 4.2256, 49.7412



0.9857, 0.5021, 4.8582

Previews

White Background



This preview shows how the XYZ color 74.7491, 84.5198, 24.6862 looks on a white background.

Color Contrast Check

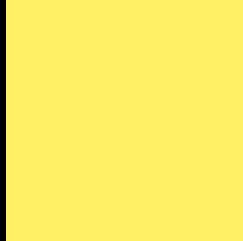
Large Text (above 18pt) WCAG AA × Fail

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 74.7491, 84.5198, 24.6862 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 74.7491, 84.5198, 24.6862

Background



This preview shows how black text looks on a background with the XYZ color 74.7491, 84.5198, 24.6862.

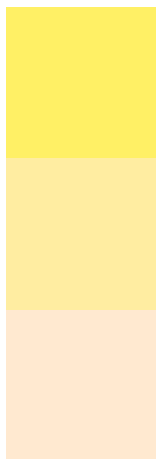


This preview shows how white text looks on a background with the XYZ color 74.7491, 84.5198,

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

74.7491, 84.5198, 24.6862

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

81.7641, 84.0919, 71.5964



Tritanopia

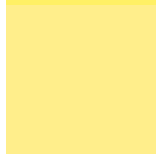
85.2650, 84.1449, 94.1857

Trichromacy



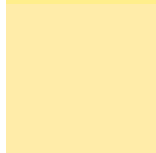
Original Color

74.7491, 84.5198, 24.6862



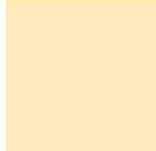
Protanomaly

76.4747, 84.2732, 36.6618



Deuteranomaly

78.3969, 84.1155, 49.6401



Tritanomaly

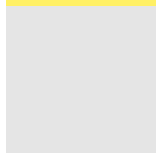
79.8481, 83.7798, 60.1068

Monochromacy



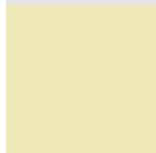
Original Color

74.7491, 84.5198, 24.6862



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.8423, 79.8324, 55.8260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7491, 84.5198, 24.6862 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 101) }
```

Border

The CSS property to change the border of an element to XYZ 74.7491, 84.5198, 24.6862 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, 101) }
```


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

```
.border{ border-color:rgb(255, 240, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7491, 84.5198, 24.6862 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
240, 101) }
```

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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