

Converting Colors

XYZ(75.1542, 87.3771, 18.5109)

Have a look what the booklet for
XYZ(75.1542, 87.3771, 18.5109)
contains.

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Color

**XYZ(75.2699, 87.6012,
18.5718)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF645 |
| RGB | 255, 246, 69 |
| RGB Percent | 100%, 96%, 27% |
| CMY | 0.0000, 0.0353, 0.7294 |
| CMYK | 0.00, 0.04, 0.73, 0.00 |
| HSL | 57°, 100%, 64% |
| HSV | 57°, 73%, 100% |
| XYZ | 75.2699, 87.6012, 18.5718 |
| YIQ | 228.5130, 62.1810, -53.1390 |

Conversions

Conversions Part 2

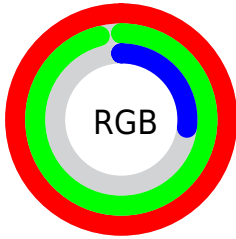
| Format | Color |
|-------------------------------------|--------------------------------|
| R_YB | 78, 255, 69 |
| Decimal | 16774725 |
| CIE _{Lab} | 94.99, -15.83, 80.45 |
| CIE _{LCh} | 95, 81.992, 101.129 |
| Yxy | 87.6012, 0.4148, 0.4828 |
| Android (android.graphics.Color) | 4294964805 (0xFFFFF645) |
| YUV | 228.5130, -78.6399, 23.2291 |
| Hunter-Lab | 93.5955, -20.2417, 53.7522 |

Details

The XYZ color **75.2699, 87.6012, 18.5718** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.2289, 13.9340, 96.0722**, and the grayscale version is **74.6479, 78.5354, 85.5250**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **40.6616, 48.2962, 7.1790** is the 20% darker color. If you saturate the color by 10%, you get **74.2692, 86.6062, 15.1368**, and if you desaturate by 10%, it is **76.6170, 88.7454, 23.8007**.

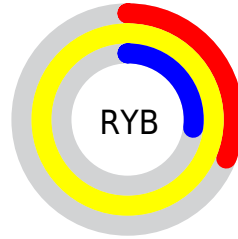
Distribution



Red (100%)

Green (96%)

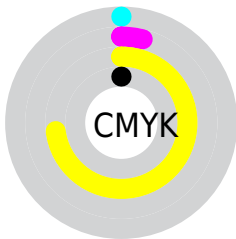
Blue (27%)



Red (31%)

Yellow (100%)

Blue (27%)

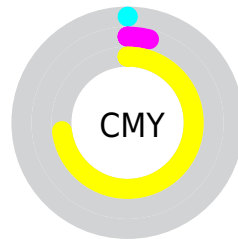


Cyan (0%)

Magenta (4%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2699, 87.6012, 18.5718 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 75.2699, 87.6012, 18.5718 by changing the saturation by 10% instead.


 75.2699, 87.6012,
18.5718

 75.2699, 87.6012,
18.5718


467.8276,
520.1964, 256.4180

 56.1290, 65.9928,
11.1876


 125.6802,
144.0018, 41.8363

 40.5438, 48.2666,
6.0774


 157.6803,
179.5629, 58.5537


 28.1489, 34.0381,
2.8227


 194.6975,
220.5436, 79.2192

 18.5789, 22.9228,
1.0048

 237.0972,
267.3284, 104.2514

 11.4686, 14.5365,
0.0000

 285.2447,
320.3017, 134.0689

 6.4526, 8.4948,
0.0000

339.5054,

 3.1654, 4.4131,

379.8479, 169.0901

0.0000

400.2446,
446.3513, 209.7336

■ 1.2418, 1.9072,
0.0000

■ 0.1390, 0.5527,
0.0000

■ 75.2699, 87.6012,
18.5718

■ 75.2699, 87.6012,
18.5718

■ 74.2692, 86.6062,
15.1368

■ 76.6170, 88.7454,
23.8007

■ 73.5617, 85.7291,
13.2428

■ 78.3431, 90.0418,
31.0221

■ 73.1918, 85.1640,
12.5807

■ 80.4838, 91.5081,
40.4142

■ 83.0689, 93.1561,
52.1340

■ 86.1254, 94.9968,
66.3241

■ 89.6783, 97.0400,
83.1156

■ 93.7506, 99.2950,
102.6304

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



97.8904, 87.6012, 20.0487



75.2699, 87.6012, 18.5718



58.1594, 87.6012, 29.6318

Triad

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



75.2699, 87.6012, 18.5718



55.0004, 87.6012, 200.8861



130.6947, 87.6012, 140.7872

Complementary

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



75.2699, 87.6012, 18.5718



23.2289, 13.9340, 96.0722

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.



114.7136, 87.6012, 220.7407



75.2699, 87.6012, 18.5718



70.1693, 87.6012, 264.7857

Square

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



75.2699, 87.6012, 18.5718



47.9256, 87.6012, 121.0575



91.8014, 87.6012, 273.3397



132.7259, 87.6012, 73.6220

Rectangle

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



75.2699, 87.6012, 18.5718



51.1188, 87.6012, 47.5872



91.8014, 87.6012, 273.3397



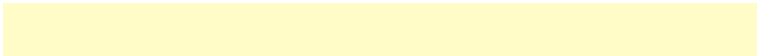
126.6583, 87.6012, 167.6720

Sweetspot

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



75.2719, 87.6053, 18.5736



86.4380, 95.1805, 67.7879



44.7544, 26.0714, 9.9389



18.3109, 20.2604, 13.6178



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.



75.2719, 87.6053, 18.5736



73.8782, 86.1491, 14.0035



53.6947, 80.6411, 18.3666



19.4815, 20.9313, 19.1577



38.2775, 44.5662, 6.5847



3.7492, 4.3838, 0.6485

Inverse Universe

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



23.2289, 13.9340, 96.0722



19.4117, 9.1223, 95.3454



33.2593, 18.2205, 96.3709



17.0734, 17.5185, 22.7315



9.5319, 3.9733, 49.6991



0.9518, 0.4342, 4.8469

Previews

White Background



This preview shows how the XYZ color 75.2699, 87.6012, 18.5718 looks on a white background.

Color Contrast Check

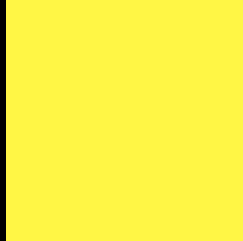
Large Text (above 18pt) WCAG AA × Fail

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 75.2699, 87.6012, 18.5718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

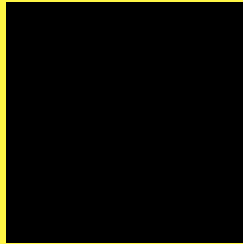
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.2699, 87.6012, 18.5718

Background



This preview shows how black text looks on a background with the XYZ color 75.2699, 87.6012, 18.5718.

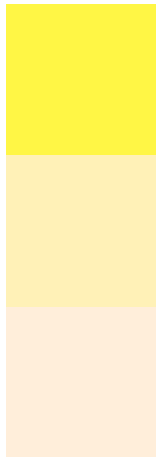


This preview shows how white text looks on a background with the XYZ color 75.2699, 87.6012,

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

75.2699, 87.6012, 18.5718

Protanopia

81.2425, 87.5895, 57.4243

Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



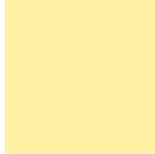
Original Color

75.2699, 87.6012, 18.5718



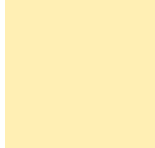
Protanomaly

78.1731, 87.3142, 38.3243



Deuteranomaly

79.3961, 86.8509, 47.7012



Tritanomaly

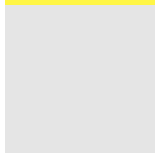
80.3447, 86.2883, 55.6007

Monochromacy



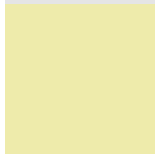
Original Color

75.2699, 87.6012, 18.5718



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.3189, 80.5341, 50.2611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2699, 87.6012, 18.5718 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, 246, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 69)  
}
```

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, 246, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 69) }
```

Border

The CSS property to change the border of an element to XYZ 75.2699, 87.6012, 18.5718 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, 246, 69) }
```


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

```
.border{ border-color:rgb(255, 246, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2699, 87.6012, 18.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 69) }
```

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

```
.background{ background-color: rgb(255,  
246, 69) }
```

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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