

Converting Colors

XYZ(69.7477, 84.7808, 17.2456)

Have a look what the booklet for
XYZ(69.7477, 84.7808, 17.2456)
contains.

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Color

**XYZ(69.7604, 84.7846,
17.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F63E
RGB	240, 246, 62
RGB Percent	94%, 96%, 24%
CMY	0.0588, 0.0353, 0.7568
CMYK	0.02, 0.00, 0.75, 0.04
HSL	62°, 91%, 60%
HSV	62°, 75%, 96%
XYZ	69.7604, 84.7846, 17.2457
YIQ	223.2300, 55.4880, -58.4960

Conversions

Conversions Part 2

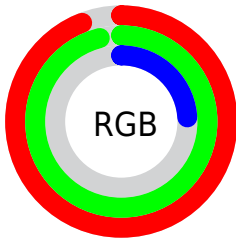
Format	Color
RYB	62, 246, 68
Decimal	15791678
CIELab	93.79, -22.22, 81.08
CIELCh	94, 84.071, 105.323
Yxy	84.7846, 0.4061, 0.4935
Android (android.graphics.Color)	4293981758 (0xFFFF0F63E)
YUV	223.2300, -79.4864, 14.7073
Hunter-Lab	92.0786, -25.9026, 53.3504

Details

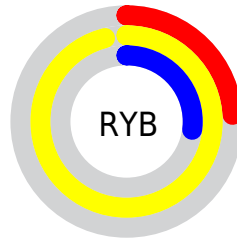
The XYZ color **69.7604, 84.7846, 17.2457** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.7435, 11.3298, 88.2876**, and the grayscale version is **70.8253, 74.5137, 81.1454**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **37.2358, 46.5302, 7.0187** is the 20% darker color. If you saturate the color by 10%, you get **68.9609, 84.4365, 14.4472**, and if you desaturate by 10%, it is **70.8703, 85.2633, 21.6553**.

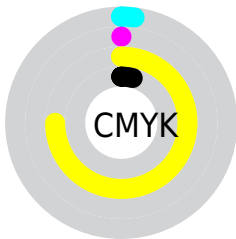
Distribution



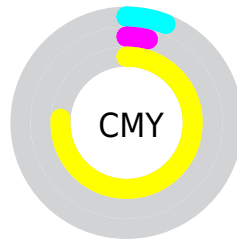
- Red (94%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (27%)



- Cyan (2%)
- Magenta (0%)
- Yellow (75%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7604, 84.7846, 17.2457 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 69.7604, 84.7846, 17.2457 by changing the saturation by 10% instead.

69.7604, 84.7846,
17.2457

69.7604, 84.7846,
17.2457

448.9878,
510.9150, 248.6760

51.6101, 63.6634,
10.2460

117.8951,
140.0722, 39.5442

36.9174, 46.3781,
5.4546

148.6103,
175.0074, 55.6800

25.3169, 32.5443,
2.4530

184.2445,
215.3160, 75.6984

16.4433, 21.7776,
0.8151

225.1630,
261.3826, 100.0177

9.9312, 13.6936,
0.0000

271.7312,
313.5913, 129.0566

5.4153, 7.9078,
0.0000

324.3146,

2.5302, 4.0360,

372.3267, 163.2336

0.0000

383.2783,
437.9732, 202.9672

■ 0.9105, 1.6937,
0.0000

■ 0.0000, 0.4196,
0.0000

■ 69.7604, 84.7846,
17.2457

■ 69.7604, 84.7846,
17.2457

■ 68.9609, 84.4365,
14.4472

■ 70.8703, 85.2633,
21.6553


■ 68.4211, 84.1893,
13.0182


■ 72.3212, 85.8754,
27.8631


■ 68.2091, 84.0883,
12.6357


■ 74.1466, 86.6374,
36.0363


■ 76.3742, 87.5604,
46.3216

 79.0293, 88.6546,
58.8516

 82.1351, 89.9292,
73.7483

 85.7129, 91.3927,
91.1247

 89.1630, 92.8053,
107.8216

 89.4460, 92.9512,
107.8348

Harmonies

Analogous

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



91.9646, 84.7846, 17.1288



69.7604, 84.7846, 17.2457



53.7410, 84.7846, 30.0276

Triad

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



69.7604, 84.7846, 17.2457



54.0024, 84.7846, 210.3091



129.6813, 84.7846, 127.1204

Complementary

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



69.7604, 84.7846, 17.2457



20.7435, 11.3298, 88.2876

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.



115.1453, 84.7846, 208.6181



69.7604, 84.7846, 17.2457



70.1855, 84.7846, 269.7465

Square

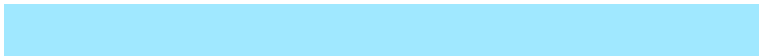
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7604, 84.7846, 17.2457



45.8552, 84.7846, 128.7834



92.4756, 84.7846, 269.0145



129.5095, 84.7846, 63.4780

Rectangle

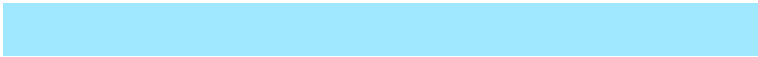
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7604, 84.7846, 17.2457



47.5200, 84.7846, 49.8958



92.4756, 84.7846, 269.0145



126.2503, 84.7846, 153.7814

Sweetspot

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



69.7623, 84.7885, 17.2474



86.6265, 96.5531, 68.0429



40.7726, 23.7310, 6.9901



18.3561, 20.5901, 13.6790



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.



69.7623, 84.7885, 17.2474



74.4777, 91.4588, 14.6762



46.5789, 72.8370, 16.1625



17.8580, 19.2844, 17.5786



36.4297, 44.8930, 6.7452



3.2183, 3.9542, 0.5936

Inverse Universe

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



20.7435, 11.3298, 88.2876



19.0354, 8.2601, 95.1988



32.2776, 17.2758, 88.8274



15.6312, 15.9525, 20.7979



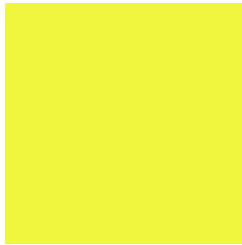
8.9550, 3.5908, 46.7591



0.8043, 0.3245, 4.1105

Previews

White Background



This preview shows how the XYZ color 69.7604, 84.7846, 17.2457 looks on a white background.

Color Contrast Check

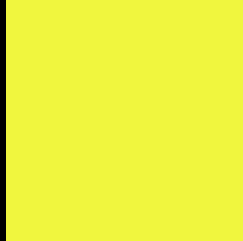
Large Text (above 18pt) WCAG AA × Fail

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 69.7604, 84.7846, 17.2457 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 69.7604, 84.7846, 17.2457

Background



This preview shows how black text looks on a background with the XYZ color 69.7604, 84.7846, 17.2457.

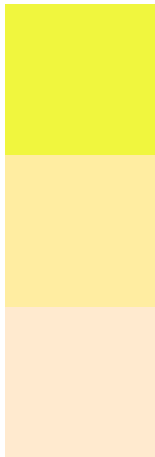


This preview shows how white text looks on a background with the XYZ color 69.7604, 84.7846,

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

69.7604, 84.7846, 17.2457

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

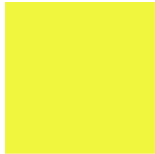
81.9253, 84.6106, 71.0450



Tritanopia

86.3253, 84.5690, 99.7693

Trichromacy



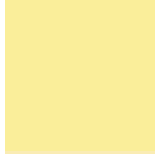
Original Color

69.7604, 84.7846, 17.2457



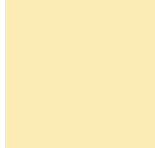
Protanomaly

74.2861, 84.1248, 31.7245



Deuteranomaly

75.8316, 83.8062, 42.7513



Tritanomaly

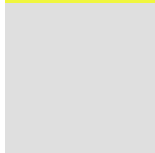
77.6580, 83.6102, 55.2254

Monochromacy



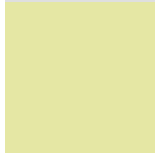
Original Color

69.7604, 84.7846, 17.2457



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.5899, 76.4902, 46.3237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7604, 84.7846, 17.2457 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(240, 246, 62)` looks like.

```
.text, #text, p{  
    color:rgb(240, 246, 62)  
}
```

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(240, 246, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 246, 62) }
```

Border

The CSS property to change the border of an element to XYZ 69.7604, 84.7846, 17.2457 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(240, 246, 62) }
```


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

```
.border{ border-color:rgb(240, 246, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 246, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 246, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 246, 62);  
box-shadow:4px 4px 4px 4px rgb(240, 246,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7604, 84.7846, 17.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 246, 62) }
```

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

```
.background{ background-color: rgb(240,  
246, 62) }
```

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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