

Converting Colors

XYZ(69.8029, 83.7621, 23.7977)

Have a look what the booklet for
XYZ(69.8029, 83.7621, 23.7977)
contains.

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Color

**XYZ(69.7682, 83.7416,
23.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF461
RGB	238, 244, 97
RGB Percent	93%, 96%, 38%
CMY	0.0667, 0.0431, 0.6196
CMYK	0.02, 0.00, 0.60, 0.04
HSL	62°, 87%, 67%
HSV	62°, 60%, 96%
XYZ	69.7682, 83.7416, 23.7958
YIQ	225.4480, 43.6110, -46.9890

Conversions

Conversions Part 2

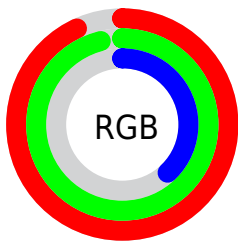
Format	Color
R_{YB}	97, 244, 103
Decimal	15660129
CIE _{Lab}	93.34, -20.25, 68.04
CIE _{LCh}	93, 70.994, 106.573
Yxy	83.7416, 0.3935, 0.4723
Android (android.graphics.Color)	4293850209 (0xFFEEF461)
YUV	225.4480, -63.3249, 11.0081
Hunter-Lab	91.5104, -24.0536, 48.6399

Details

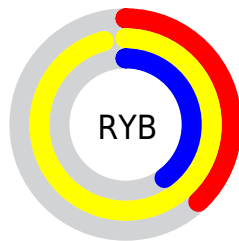
The XYZ color **69.7682, 83.7416, 23.7958** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.2001, 17.9665, 87.6801**, and the grayscale version is **72.3125, 76.0784, 82.8494**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **36.9076, 45.6837, 8.6229** is the 20% darker color. If you saturate the color by 10%, you get **68.4679, 83.1860, 18.6825**, and if you desaturate by 10%, it is **71.4241, 84.4458, 30.7549**.

Distribution



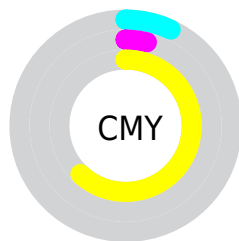
- Red (93%)
- Green (96%)
- Blue (38%)



- Red (38%)
- Yellow (96%)
- Blue (40%)



- Cyan (2%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7682, 83.7416, 23.7958 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 69.7682, 83.7416, 23.7958 by changing the saturation by 10% instead.

69.7682, 83.7416,
23.7958

69.7682, 83.7416,
23.7958

449.0148,
507.4548, 285.0397

51.6165, 62.8021,
14.9714

117.9062,
138.6137, 50.6364

36.9225, 45.6811,
8.6529

148.6232,
173.3150, 69.4897

25.3209, 31.9943,
4.4218

184.2594,
213.3725, 92.5231

16.4463, 21.3571,
1.8595

225.1800,
259.1704, 120.1551

9.9334, 13.3853,
0.4668

271.7506,
311.0932, 152.8042

5.4167, 7.6944,
0.0000

324.3363,

2.5310, 3.9000,

369.5253, 190.8890

0.0000

383.3026,
434.8510, 234.8280

■ 0.9109, 1.6178,
0.0000

■ 0.0000, 0.3696,
0.0000

■ 69.7682, 83.7416,
23.7958

■ 69.7682, 83.7416,
23.7958

■ 68.4679, 83.1860,
18.6825

■ 71.4241, 84.4458,
30.7549

■ 67.4841, 82.7541,
15.2347


■ 73.4588, 85.2987,
39.7075


■ 66.7790, 82.4339,
13.2451


■ 75.9003, 86.3145,
50.7926


■ 66.2959, 82.2037,
12.3727


■ 78.7723, 87.5028,
64.1350

 82.0968, 88.8722,
79.8502

 85.8941, 90.4309,
98.0454

 88.0516, 91.3340,
107.5962

 88.4004, 91.5138,
107.6125

 88.7511, 91.6946,
107.6289

Harmonies

Analogous

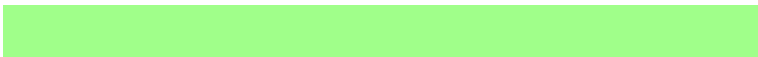
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2416, 83.7416, 23.2028



69.7682, 83.7416, 23.7958



56.2242, 83.7416, 37.1161

Triad

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



69.7682, 83.7416, 23.7958



57.3394, 83.7416, 188.3240



119.9574, 83.7416, 117.2530

Complementary

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



69.7682, 83.7416, 23.7958



26.2001, 17.9665, 87.6801

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.



108.6795, 83.7416, 181.9103



69.7682, 83.7416, 23.7958



71.5305, 83.7416, 232.5653

Square

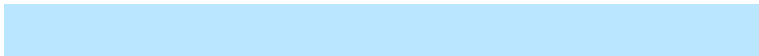
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7682, 83.7416, 23.7958



49.8564, 83.7416, 123.8345



90.3013, 83.7416, 229.8426



119.2866, 83.7416, 64.8394

Rectangle

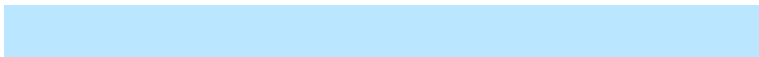
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7682, 83.7416, 23.7958



50.9408, 83.7416, 56.0505



90.3013, 83.7416, 229.8426



117.3711, 83.7416, 138.5746

Sweetspot

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



69.7702, 83.7455, 23.7975



87.8343, 97.0344, 74.4867



44.2103, 29.5814, 14.6900



18.5843, 20.6803, 14.9297



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.



69.7702, 83.7455, 23.7975



75.4436, 91.8448, 19.7803



50.1538, 73.6328, 22.8795



17.8438, 19.2770, 17.5779



36.0755, 44.7104, 6.7286



3.1911, 3.9401, 0.5923

Inverse Universe

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



26.2001, 17.9665, 87.6801



23.5451, 13.4356, 95.9601



38.3756, 24.2432, 88.2499



15.6438, 15.9590, 20.7984



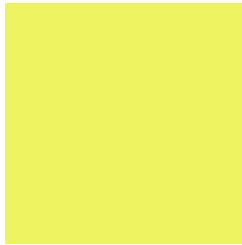
8.9741, 3.6006, 46.7600



0.8104, 0.3276, 4.1108

Previews

White Background



This preview shows how the XYZ color 69.7682, 83.7416, 23.7958 looks on a white background.

Color Contrast Check

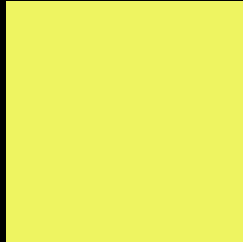
Large Text (above 18pt) WCAG AA × Fail

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 69.7682, 83.7416, 23.7958 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 69.7682, 83.7416, 23.7958

Background



This preview shows how black text looks on a background with the XYZ color 69.7682, 83.7416, 23.7958.

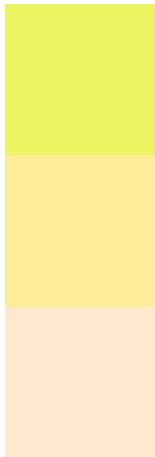


This preview shows how white text looks on a background with the XYZ color 69.7682, 83.7416,

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

69.7682, 83.7416, 23.7958

Protanopia

76.9852, 83.5508, 42.2064

Deuteranopia

81.1161, 83.3810, 69.5765



Tritanopia

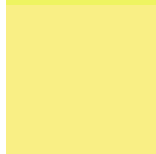
85.3158, 83.6367, 99.6426

Trichromacy



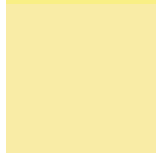
Original Color

69.7682, 83.7416, 23.7958



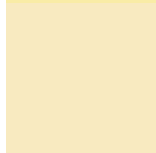
Protanomaly

74.1671, 83.5662, 34.4112



Deuteranomaly

75.9453, 82.8838, 48.0718



Tritanomaly

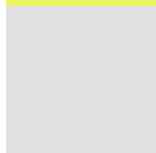
77.6486, 82.6079, 61.7216

Monochromacy



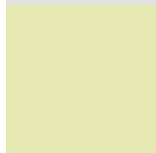
Original Color

69.7682, 83.7416, 23.7958



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.5256, 77.7506, 53.4624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7682, 83.7416, 23.7958 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(238, 244, 97)` looks like.

```
.text, #text, p{  
  color:rgb(238, 244, 97)  
}
```

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(238, 244, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 97) }
```

Border

The CSS property to change the border of an element to XYZ 69.7682, 83.7416, 23.7958 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(238, 244, 97) }
```


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

```
.border{ border-color:rgb(238, 244, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 244, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 244, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 244, 97);  
box-shadow:4px 4px 4px 4px rgb(238, 244,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7682, 83.7416, 23.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 244, 97) }
```

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

```
.background{ background-color: rgb(238,  
244, 97) }
```

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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