

Converting Colors

XYZ(67.9597, 76.7101, 25.4405)

Have a look what the booklet for
XYZ(67.9597, 76.7101, 25.4405)
contains.

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Color

**XYZ(67.9657, 76.7310,
25.4157)**

Conversions

Conversions Part 1

Format	Color
Hex	F3E66C
RGB	243, 230, 108
RGB Percent	95%, 90%, 42%
CMY	0.0471, 0.0980, 0.5765
CMYK	0.00, 0.05, 0.56, 0.05
HSL	54°, 85%, 69%
HSV	54°, 56%, 95%
XYZ	67.9657, 76.7310, 25.4157
YIQ	219.9790, 46.9100, -35.1860

Conversions

Conversions Part 2

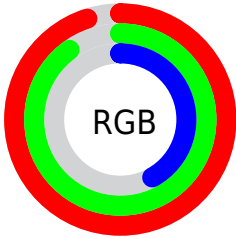
Format	Color
R_{YB}	122, 243, 108
Decimal	15984236
CIE _{Lab}	90.20, -10.63, 59.96
CIE _{LCh}	90, 60.892, 100.056
Yxy	76.7310, 0.3995, 0.4511
Android (android.graphics.Color)	4294174316 (0xFFFF3E66C)
YUV	219.9790, -55.2056, 20.1894
Hunter-Lab	87.5962, -14.7957, 44.1146

Details

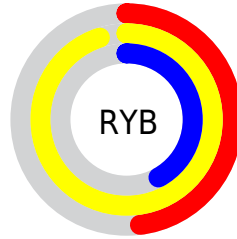
The XYZ color **67.9657, 76.7310, 25.4157** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.1993, 23.3332, 87.7584**, and the grayscale version is **68.3648, 71.9251, 78.3264**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **35.7630, 41.1166, 9.5414** is the 20% darker color. If you saturate the color by 10%, you get **66.2026, 74.9941, 19.3128**, and if you desaturate by 10%, it is **70.1015, 78.6366, 33.4224**.

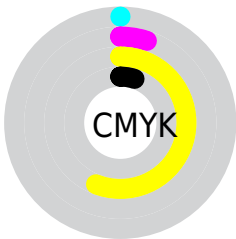
Distribution



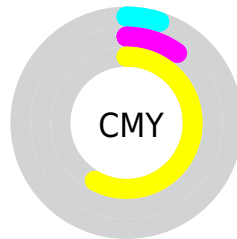
- Red (95%)
- Green (90%)
- Blue (42%)



- Red (48%)
- Yellow (95%)
- Blue (42%)



- Cyan (0%)
- Magenta (5%)
- Yellow (56%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9657, 76.7310, 25.4157 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 67.9657, 76.7310, 25.4157 by changing the saturation by 10% instead.

67.9657, 76.7310,
25.4157

67.9657, 76.7310,
25.4157

442.7531,
483.8464, 293.4155

50.1434, 57.0321,
16.1652

115.3453,
128.7597, 53.3033

35.7456, 41.0310,
9.4855

145.6332,
161.8583, 72.7774

24.4070, 28.3433,
4.9581

180.8071,
200.1923, 96.4965

15.7622, 18.5846,
2.1644

221.2323,
244.1460, 124.8792

9.4458, 11.3705,
0.6537

267.2742,
294.1039, 158.3438

5.0925, 6.3166,
0.0000

319.2980,

2.3370, 3.0386,

350.4503, 197.3091

0.0000

377.6692,
413.5697, 242.1935

■ 0.8135, 1.1519,
0.0000

■ 0.0000, 0.0219,
0.0000

■ 67.9657, 76.7310,
25.4157

■ 67.9657, 76.7310,
25.4157

■ 66.2026, 74.9941,
19.3128

■ 70.1015, 78.6366,
33.4224

■ 64.7761, 73.4029,
14.9469


■ 72.6319, 80.7113,
43.4717


■ 63.6519, 71.9466,
12.1304

■ 75.5833, 82.9684,
55.6948


■ 62.7857, 70.6072,
10.6301


■ 78.9784, 85.4172,
70.2108


 62.4533, 70.0372,
10.2269

 82.8382, 88.0660,
87.1299

 87.1823, 90.9227,
106.5555

 88.0829, 92.4164,
107.8034

 88.8002, 93.8511,
108.0425

 89.5265, 95.3038,
108.2847

Harmonies

Analogous

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



83.3154, 76.7310, 27.1350



67.9657, 76.7310, 25.4157



55.7583, 76.7310, 34.6092

Triad

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



67.9657, 76.7310, 25.4157



52.8447, 76.7310, 149.4866



103.8533, 76.7310, 115.3262

Complementary

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



67.9657, 76.7310, 25.4157



29.1993, 23.3332, 87.7584

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.



93.3094, 76.7310, 164.9650



67.9657, 76.7310, 25.4157



63.4465, 76.7310, 188.9485

Square

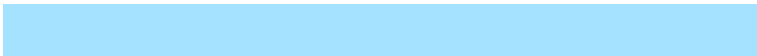
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9657, 76.7310, 25.4157



47.8628, 76.7310, 98.9628



78.1314, 76.7310, 195.4280



105.5054, 76.7310, 69.8215

Rectangle

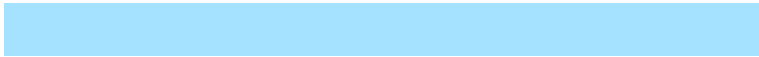
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9657, 76.7310, 25.4157



50.5063, 76.7310, 48.4653



78.1314, 76.7310, 195.4280



101.1687, 76.7310, 132.4418

Sweetspot

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



67.9675, 76.7346, 25.4173



87.5229, 94.8826, 75.7573



45.8070, 31.1733, 21.8540



18.5647, 20.1886, 15.4887



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.



67.9675, 76.7346, 25.4173



73.5828, 83.3759, 20.6333



55.7439, 76.0026, 25.9202



17.7704, 19.0249, 17.5331



34.3320, 38.5495, 5.6313



3.0563, 3.4658, 0.5079

Inverse Universe

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



29.1993, 23.3332, 87.7584



26.3339, 18.3404, 96.7598



36.4411, 24.8784, 87.6750



15.7094, 16.1831, 20.8383



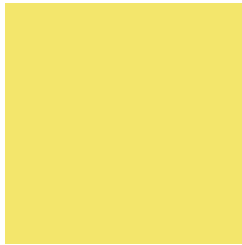
9.0938, 3.9815, 46.8272



0.8416, 0.4347, 4.1298

Previews

White Background



This preview shows how the XYZ color 67.9657, 76.7310, 25.4157 looks on a white background.

Color Contrast Check

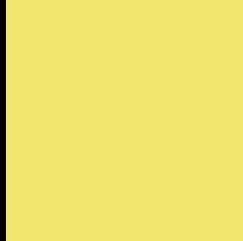
Large Text (above 18pt) WCAG AA × Fail

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 67.9657, 76.7310, 25.4157 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 67.9657, 76.7310, 25.4157

Background



This preview shows how black text looks on a background with the XYZ color 67.9657, 76.7310, 25.4157.



This preview shows how white text looks on a background with the XYZ color 67.9657, 76.7310,

25.4157.

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

67.9657, 76.7310, 25.4157

Protanopia

69.9066, 76.5089, 24.9931

Deuteranopia

75.5995, 76.7978, 54.0190



Tritanopia

80.5038, 76.2549, 87.5665

Trichromacy

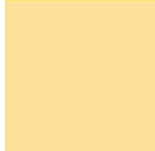


Original Color

67.9657, 76.7310, 25.4157

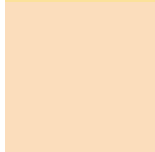
Protanomaly

69.1086, 76.5048, 25.0344



Deuteranomaly

72.5416, 76.6928, 41.5517



Tritanomaly

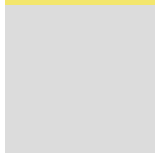
74.7172, 75.8530, 58.2800

Monochromacy



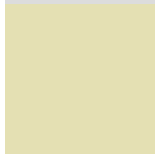
Original Color

67.9657, 76.7310, 25.4157



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.7872, 73.0600, 53.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9657, 76.7310, 25.4157 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(243, 230, 108)` looks like.

```
.text, #text, p{  
    color:rgb(243, 230, 108)  
}
```

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(243, 230, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 230, 108) }
```

Border

The CSS property to change the border of an element to XYZ 67.9657, 76.7310, 25.4157 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(243, 230, 108) }
```


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

```
.border{ border-color:rgb(243, 230, 108) }
```

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

Here you see how a box with a 4 pixel rgb(243, 230, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 230, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 230, 108);  
box-shadow:4px 4px 4px 4px rgb(243, 230,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9657, 76.7310, 25.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 230, 108) }
```

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

```
.background{ background-color: rgb(243,  
230, 108) }
```

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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