

Converting Colors

XYZ(68.7957, 82.8724, 20.1546)

Have a look what the booklet for
XYZ(68.7957, 82.8724, 20.1546)
contains.

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Color

**XYZ(68.7957, 82.8724,
20.1546)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF351
RGB	238, 243, 81
RGB Percent	93%, 95%, 32%
CMY	0.0667, 0.0470, 0.6823
CMYK	0.02, 0.00, 0.67, 0.05
HSL	62°, 87%, 64%
HSV	62°, 67%, 95%
XYZ	68.7957, 82.8724, 20.1546
YIQ	223.0370, 49.0220, -51.4420

Conversions

Conversions Part 2

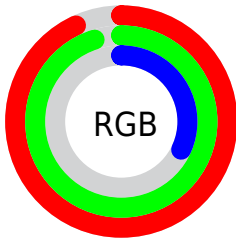
Format	Color
RYB	81, 243, 86
Decimal	15659857
CIELab	92.96, -20.72, 73.88
CIELCh	93, 76.729, 105.667
Yxy	82.8724, 0.4004, 0.4823
Android (android.graphics.Color)	4293849937 (0xFFEEF351)
YUV	223.0370, -70.0242, 13.1226
Hunter-Lab	91.0343, -24.4154, 50.5974

Details

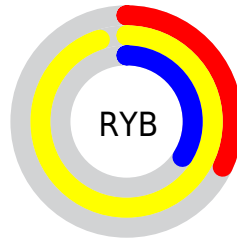
The XYZ color **68.7957, 82.8724, 20.1546** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **22.9603, 14.3361, 86.3561**, and the grayscale version is **70.6253, 74.3033, 80.9163**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **36.3717, 45.1287, 6.8512** is the 20% darker color. If you saturate the color by 10%, you get **67.7917, 82.4448, 16.1728**, and if you desaturate by 10%, it is **70.1305, 83.4386, 25.8562**.

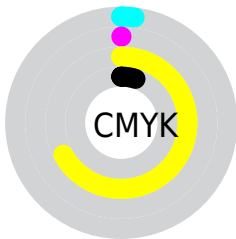
Distribution



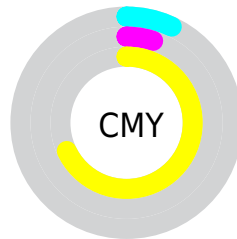
- Red (93%)
- Green (95%)
- Blue (32%)



- Red (32%)
- Yellow (95%)
- Blue (34%)



- Cyan (2%)
- Magenta (0%)
- Yellow (67%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7957, 82.8724, 20.1546 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 68.7957, 82.8724, 20.1546 by changing the saturation by 10% instead.

68.7957, 82.8724,
20.1546

68.7957, 82.8724,
20.1546

445.6427,
504.5612, 265.3827

50.8214, 62.0849,
12.3223

116.5254,
137.3967, 44.5386

36.2869, 45.1013,
6.8384

147.0115,
171.9023, 61.9274

24.8270, 31.5372,
3.2843

182.3989,
211.7495, 83.3387

16.0763, 21.0083,
1.2416

223.0529,
257.3224, 109.1911

9.6693, 13.1300,
0.0132

269.3390,
309.0057, 139.9032

5.2408, 7.5182,
0.0000

321.6224,

2.4255, 3.7882,

367.1837, 175.8935

0.0000

380.2685,
432.2407, 217.5804

■ 0.8578, 1.5558,
0.0000

■ 0.0000, 0.3275,
0.0000

■ 68.7957, 82.8724,
20.1546

■ 68.7957, 82.8724,
20.1546

■ 67.7917, 82.4448,
16.1728

■ 70.1305, 83.4386,
25.8562

■ 67.0762, 82.1296,
13.7128

■ 71.8216, 84.1443,
33.4370

■ 66.6048, 81.9122,
12.5329

■ 73.8985, 85.0045,
43.0440

■ 66.4774, 81.8517,
12.2952

■ 76.3862, 86.0292,
54.8083

■ 79.3073, 87.2273,
68.8499

■ 82.6831, 88.6074,
85.2801

■ 86.5333, 90.1774,
104.2027

■ 87.4135, 90.5595,
107.4803

■ 87.6747, 90.6942,
107.4925

Harmonies

Analogous

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



88.7168, 82.8724, 19.9104



68.7957, 82.8724, 20.1546



54.2547, 82.8724, 32.9238

Triad

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



68.7957, 82.8724, 20.1546



54.7518, 82.8724, 194.6739



122.4049, 82.8724, 120.4662

Complementary

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



68.7957, 82.8724, 20.1546



22.9603, 14.3361, 86.3561

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.



109.7347, 82.8724, 191.6516



68.7957, 82.8724, 20.1546



69.5918, 82.8724, 245.3391

Square

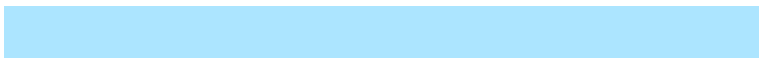
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7957, 82.8724, 20.1546



47.1368, 82.8724, 123.5051



89.6596, 82.8724, 244.0440



122.0932, 82.8724, 63.5490

Rectangle

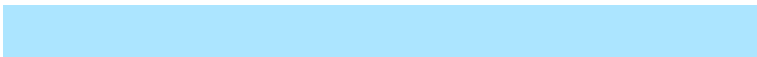
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7957, 82.8724, 20.1546



48.5680, 82.8724, 51.9136



89.6596, 82.8724, 244.0440



119.4402, 82.8724, 143.8883

Sweetspot

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



68.7976, 82.8762, 20.1563



87.3215, 96.8419, 71.2168



41.5973, 25.9450, 10.6011



18.4933, 20.6473, 14.2955



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.



68.7976, 82.8762, 20.1563



75.3158, 91.8427, 16.8898



47.8967, 72.1014, 19.1782



17.8611, 19.2859, 17.5787



36.5054, 44.9320, 6.7487



3.2241, 3.9572, 0.5939

Inverse Universe

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



22.9603, 14.3361, 86.3561



20.9386, 10.4665, 95.5244



34.5774, 20.3249, 86.8998



15.6285, 15.9511, 20.7977



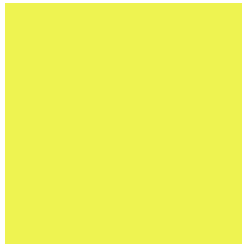
8.9509, 3.5887, 46.7589



0.8031, 0.3238, 4.1104

Previews

White Background



This preview shows how the XYZ color 68.7957, 82.8724, 20.1546 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 68.7957, 82.8724, 20.1546 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 68.7957, 82.8724, 20.1546

Background



This preview shows how black text looks on a background with the XYZ color 68.7957, 82.8724, 20.1546.

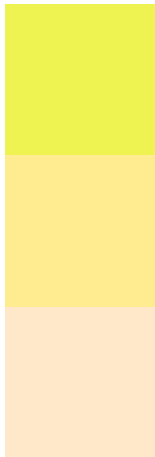


This preview shows how white text looks on a background with the XYZ color 68.7957, 82.8724,

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

68.7957, 82.8724, 20.1546

Protanopia

75.9824, 82.6903, 38.3417

Deuteranopia

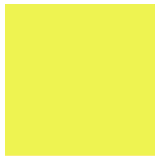
80.3585, 82.6289, 66.9720



Tritanopia

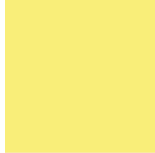
84.4585, 82.4134, 97.8421

Trichromacy



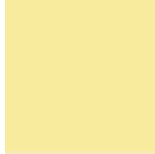
Original Color

68.7957, 82.8724, 20.1546



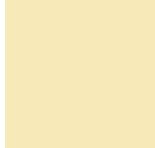
Protanomaly

73.0926, 82.6693, 30.1935



Deuteranomaly

74.8611, 81.9907, 43.7785



Tritanomaly

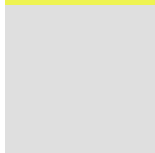
76.6073, 81.7371, 57.6381

Monochromacy



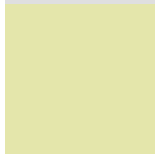
Original Color

68.7957, 82.8724, 20.1546



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.6424, 76.0279, 49.6378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7957, 82.8724, 20.1546 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, 243, 81)` looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 81)  
}
```

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, 243, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 81) }
```

Border

The CSS property to change the border of an element to XYZ 68.7957, 82.8724, 20.1546 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, 243, 81) }
```


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

```
.border{ border-color:rgb(238, 243, 81) }
```

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

Here you see how a box with a 4 pixel rgb(238, 243, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 81);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7957, 82.8724, 20.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 81) }
```

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

```
.background{ background-color: rgb(238,  
243, 81) }
```

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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