

Converting Colors

XYZ(65.5828, 82.5370, 21.2793)

Have a look what the booklet for
XYZ(65.5828, 82.5370, 21.2793)
contains.

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Color

**XYZ(65.6868, 82.5910,
21.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F656
RGB	225, 246, 86
RGB Percent	88%, 96%, 34%
CMY	0.1176, 0.0353, 0.6627
CMYK	0.09, 0.00, 0.65, 0.04
HSL	68°, 90%, 65%
HSV	68°, 65%, 96%
XYZ	65.6868, 82.5910, 21.2837
YIQ	221.4810, 38.8440, -54.2120

Conversions

Conversions Part 2

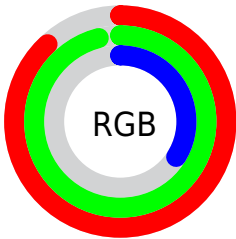
Format	Color
R_{YB}	86, 246, 107
Decimal	14808662
CIE _{Lab}	92.84, -27.05, 71.58
CIE _{LCh}	93, 76.518, 110.706
Yxy	82.5910, 0.3874, 0.4871
Android (android.graphics.Color)	4292998742 (0xFFE1F656)
YUV	221.4810, -66.7921, 3.0862
Hunter-Lab	90.8796, -30.0214, 49.7302

Details

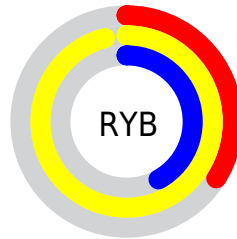
The XYZ color **65.6868, 82.5910, 21.2837** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.0286, 16.4372, 88.9947**, and the grayscale version is **69.5038, 73.1234, 79.6314**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **34.2405, 44.9744, 7.4066** is the 20% darker color. If you saturate the color by 10%, you get **63.8646, 81.7499, 16.8855**, and if you desaturate by 10%, it is **67.8729, 83.5859, 27.4818**.

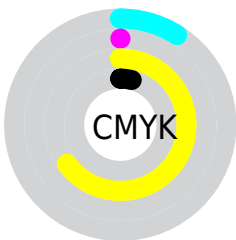
Distribution



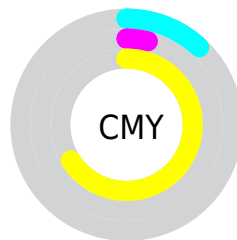
- Red (88%)
- Green (96%)
- Blue (34%)



- Red (34%)
- Yellow (96%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6868, 82.5910, 21.2837 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 65.6868, 82.5910, 21.2837 by changing the saturation by 10% instead.

65.6868, 82.5910,
21.2837

65.6868, 82.5910,
21.2837

434.7622,
503.6224, 271.6128

48.2850, 61.8528,
13.1383

112.0969,
137.0025, 46.4461

34.2648, 44.9138,
7.3920

141.8359,
171.4445, 64.3002

23.2610, 31.3895,
3.6263

176.4180,
211.2234, 86.2276

14.9081, 20.8956,
1.4227

216.2085,
256.7233, 112.6468

8.8408, 13.0477,
0.1593

261.5728,
308.3288, 143.9764

4.6938, 7.4614,
0.0000

312.8763,

2.1016, 3.7523,

366.4242, 180.6349

0.0000

370.4844,
431.3940, 223.0408

0.6901, 1.5360,
0.0000

0.0000, 0.3139,
0.0000

65.6868, 82.5910,
21.2837

65.6868, 82.5910,
21.2837

63.8646, 81.7499,
16.8855

67.8729, 83.5859,
27.4818

62.3636, 81.0364,
14.0889


70.4488, 84.7359,
35.6406


61.1407, 80.4364,
12.6577


73.4443, 86.0559,
45.9088


60.6039, 80.1675,
12.2797


76.8849, 87.5563,
58.4196

 80.7938, 89.2462,
73.2950

 85.1926, 91.1343,
90.6483

 89.5804, 93.0203,
107.8411

 90.7331, 93.6146,
107.8950

 91.9057, 94.2191,
107.9499

Harmonies

Analogous

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



84.8687, 82.5910, 19.1900



65.6868, 82.5910, 21.2837



52.3672, 82.5910, 36.7009

Triad

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



65.6868, 82.5910, 21.2837



56.6000, 82.5910, 204.7599



122.8381, 82.5910, 108.8899

Complementary

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



65.6868, 82.5910, 21.2837



26.0286, 16.4372, 88.9947

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.



112.1385, 82.5910, 179.1377



65.6868, 82.5910, 21.2837



72.4586, 82.5910, 248.0444

Square

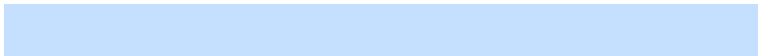
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6868, 82.5910, 21.2837



47.7723, 82.5910, 134.7021



92.8803, 82.5910, 237.0745



120.1927, 82.5910, 56.3692

Rectangle

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



65.6868, 82.5910, 21.2837



47.5401, 82.5910, 58.2560



92.8803, 82.5910, 237.0745



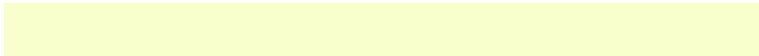
120.6233, 82.5910, 131.3941

Sweetspot

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



65.6887, 82.5948, 21.2854



85.4784, 95.8917, 71.1305



44.7064, 30.3024, 12.2979



18.0447, 20.4160, 14.2745



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.



65.6887, 82.5948, 21.2854



68.7530, 88.4458, 17.2023



46.7311, 72.8218, 20.3982



17.6881, 19.1968, 17.5707



32.4319, 42.8321, 6.5581



2.9087, 3.7946, 0.5791

Inverse Universe

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



26.0286, 16.4372, 88.9947



22.9674, 11.8615, 95.6867



39.8924, 23.5842, 89.6435



15.7834, 16.0310, 20.8050



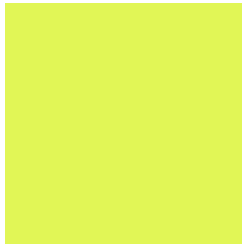
9.2661, 3.7512, 46.7737



0.8768, 0.3618, 4.1139

Previews

White Background



This preview shows how the XYZ color 65.6868, 82.5910, 21.2837 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 65.6868, 82.5910, 21.2837 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 65.6868, 82.5910, 21.2837

Background



This preview shows how black text looks on a background with the XYZ color 65.6868, 82.5910, 21.2837.



This preview shows how white text looks on a background with the XYZ color 65.6868, 82.5910,

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

65.6868, 82.5910, 21.2837

Protanopia

75.4705, 82.0287, 37.0547

Deuteranopia

79.9621, 82.0238, 66.2613



Tritanopia

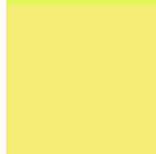
81.5157, 82.0717, 100.3520

Trichromacy



Original Color

65.6868, 82.5910, 21.2837



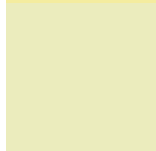
Protanomaly

71.3340, 81.7626, 30.1112



Deuteranomaly

73.5617, 81.7272, 44.6987



Tritanomaly

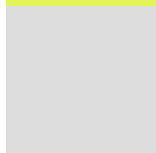
73.4417, 81.3272, 59.9710

Monochromacy



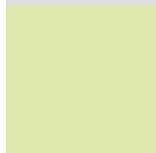
Original Color

65.6868, 82.5910, 21.2837



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.8674, 75.1018, 50.0542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6868, 82.5910, 21.2837 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(225, 246, 86)` looks like.

```
.text, #text, p{  
    color:rgb(225, 246, 86)  
}
```

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(225, 246, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 246, 86) }
```

Border

The CSS property to change the border of an element to XYZ 65.6868, 82.5910, 21.2837 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(225, 246, 86) }
```


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

```
.border{ border-color:rgb(225, 246, 86) }
```

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

Here you see how a box with a 4 pixel rgb(225, 246, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 246, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 246, 86);  
box-shadow:4px 4px 4px 4px rgb(225, 246,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6868, 82.5910, 21.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 246, 86) }
```

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

```
.background{ background-color: rgb(225,  
246, 86) }
```

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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