

Converting Colors

XYZ(37.6870, 57.5625, 20.4336)

Have a look what the booklet for
XYZ(37.6870, 57.5625, 20.4336)
contains.

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Color

**XYZ(37.6870, 57.5625,
20.4336)**

Conversions

Conversions Part 1

Format	Color
Hex	85DD61
RGB	133, 221, 97
RGB Percent	52%, 87%, 38%
CMY	0.4784, 0.1333, 0.6196
CMYK	0.40, 0.00, 0.56, 0.13
HSL	103°, 65%, 62%
HSV	103°, 56%, 87%
XYZ	37.6870, 57.5625, 20.4336
YIQ	180.5520, -12.6440, -57.2200

Conversions

Conversions Part 2

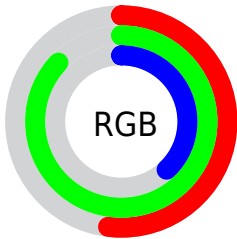
Format	Color
RYB	97, 221, 185
Decimal	8772961
CIELab	80.49, -48.60, 51.87
CIELCh	80, 71.076, 133.137
Yxy	57.5625, 0.3258, 0.4976
Android (android.graphics.Color)	4286963041 (0xFF85DD61)
YUV	180.5520, -41.1911, -41.7031
Hunter-Lab	75.8700, -44.1058, 37.1407

Details

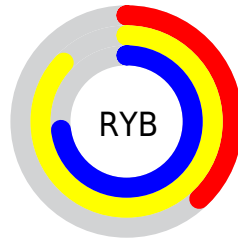
The XYZ color **37.6870, 57.5625, 20.4336** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.3361, 24.0859, 71.0909**, and the grayscale version is **43.9005, 46.1867, 50.2974**.

A 20% lighter version of the original color is **62.5811, 84.7015, 42.3288**, and **16.8717, 28.6212, 6.9207** is the 20% darker color. If you saturate the color by 10%, you get **34.5029, 56.0257, 15.6348**, and if you desaturate by 10%, it is **41.5307, 59.4096, 26.7638**.

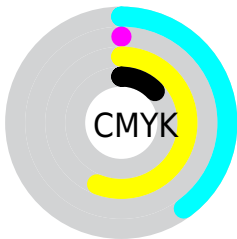
Distribution



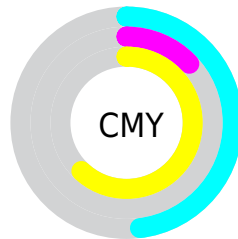
- Red (52%)
- Green (87%)
- Blue (38%)



- Red (38%)
- Yellow (87%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (56%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6870, 57.5625, 20.4336 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 37.6870, 57.5625, 20.4336 by changing the saturation by 10% instead.

■ 37.6870, 57.5625,
20.4336

■ 37.6870, 57.5625,
20.4336

327.5795,
415.5537, 266.9343

■ 25.9160, 41.4570,
12.5234

■ 70.9351, 101.2855,
45.0114

■ 16.8931, 28.6764,
6.9744

■ 93.1429, 129.6718,
62.5162

■ 10.2532, 18.8361,
3.3679

■ 119.5604,
162.9205, 84.0562

■ 5.6307, 11.5519,
1.2854

■ 150.5528,
201.4160, 110.0501

■ 2.6603, 6.4394,
0.0498

186.4856,
245.5426, 140.9162

■ 0.9768, 3.1140,
0.0000

227.7240,

■ 0.0000, 1.1916,

295.6849, 177.0733

0.0000

274.6336,
352.2271, 218.9398

■ 0.0000, 0.0548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6870, 57.5625,
20.4336

■ 37.6870, 57.5625,
20.4336

■ 34.5029, 56.0257,
15.6348

■ 41.5307, 59.4096,
26.7638

■ 31.9334, 54.7737,
12.2337


■ 46.0669, 61.5764,
34.7365


■ 29.9338, 53.7885,
10.0804


■ 51.3310, 64.0804,
44.4570


■ 28.4494, 53.0459,
8.9865


■ 57.3547, 66.9360,
56.0206

 27.9822, 52.8105,
8.7186

 64.1677, 70.1567,
69.5157

 71.7983, 73.7550,
85.0252

 80.2729, 77.7430,
102.6269

 85.1476, 80.1953,
105.5992

Harmonies

Analogous

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



48.5809, 57.5625, 12.4813



37.6870, 57.5625, 20.4336



32.0196, 57.5625, 42.1426

Triad

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



37.6870, 57.5625, 20.4336



46.9718, 57.5625, 175.2631



86.8232, 57.5625, 46.1338

Complementary

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



37.6870, 57.5625, 20.4336



37.3361, 24.0859, 71.0909

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.



86.1827, 57.5625, 88.9843



37.6870, 57.5625, 20.4336



61.3372, 57.5625, 177.9595

Square

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



37.6870, 57.5625, 20.4336



36.6903, 57.5625, 135.2060



76.2175, 57.5625, 141.4652



77.8371, 57.5625, 22.2331

Rectangle

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



37.6870, 57.5625, 20.4336



31.2121, 57.5625, 67.1756



76.2175, 57.5625, 141.4652



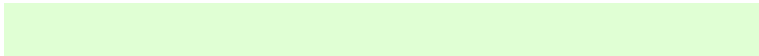
87.7682, 57.5625, 58.3815

Sweetspot

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



37.6884, 57.5650, 20.4349



78.4127, 92.1406, 75.7082



49.0778, 50.4356, 18.4585



16.4087, 19.5443, 15.4780



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.



37.6884, 57.5650, 20.4349



47.1574, 77.2100, 20.8359



34.2885, 55.6571, 27.2843



13.2399, 14.7884, 13.8822



16.3525, 30.7275, 5.0691



1.1439, 2.0342, 0.3324

Inverse Universe

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



37.3361, 24.0859, 71.0909



46.5201, 26.6205, 97.2941



44.0822, 27.9177, 55.4118



13.2270, 13.0751, 16.4788



15.7589, 7.2482, 40.3069



1.1049, 0.5128, 2.6152

Previews

White Background



This preview shows how the XYZ color 37.6870, 57.5625, 20.4336 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 37.6870, 57.5625, 20.4336 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 37.6870, 57.5625, 20.4336

Background



This preview shows how black text looks on a background with the XYZ color 37.6870, 57.5625, 20.4336.



This preview shows how white text looks on a background with the XYZ color 37.6870, 57.5625,

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

37.6870, 57.5625, 20.4336

Protanopia

51.7841, 56.8007, 17.9072

Deuteranopia

57.7613, 56.4905, 21.4951



Tritanopia

49.5280, 57.4621, 79.0019

Trichromacy



Original Color

37.6870, 57.5625, 20.4336



Protanomaly

45.0276, 56.1073, 18.8125



Deuteranomaly

47.9634, 55.4491, 21.0068



Tritanomaly

43.8628, 57.0059, 50.8109

Monochromacy



Original Color

37.6870, 57.5625, 20.4336



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.5548, 49.5744, 36.2855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6870, 57.5625, 20.4336 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(133, 221, 97)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 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(133, 221, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 97) }
```

Border

The CSS property to change the border of an element to XYZ 37.6870, 57.5625, 20.4336 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(133, 221, 97) }
```


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

```
.border{ border-color:rgb(133, 221, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 221, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 97);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6870, 57.5625, 20.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 97) }
```

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

```
.background{ background-color: rgb(133,  
221, 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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