

Converting Colors

XYZ(37.1899, 54.1241, 42.3456)

Have a look what the booklet for
XYZ(37.1899, 54.1241, 42.3456)
contains.

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Color

**XYZ(37.1617, 54.1111,
42.2041)**

Conversions

Conversions Part 1

Format	Color
Hex	70D6A1
RGB	112, 214, 161
RGB Percent	44%, 84%, 63%
CMY	0.5608, 0.1608, 0.3686
CMYK	0.48, 0.00, 0.25, 0.16
HSL	149°, 55%, 64%
HSV	149°, 48%, 84%
XYZ	37.1617, 54.1111, 42.2041
YIQ	177.4600, -43.7790, -38.1070

Conversions

Conversions Part 2

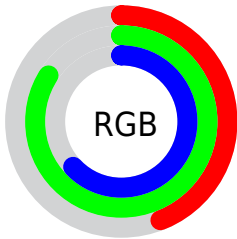
Format	Color
RYB	112, 181, 214
Decimal	7394977
CIELab	78.53, -41.83, 17.15
CIELCh	79, 45.209, 157.702
Yxy	54.1111, 0.2784, 0.4054
Android (android.graphics.Color)	4285585057 (0xFF70D6A1)
YUV	177.4600, -8.1148, -57.4084
Hunter-Lab	73.5602, -38.5545, 17.4754

Details

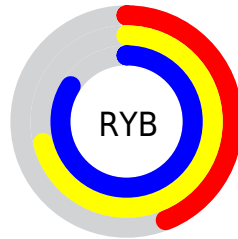
The XYZ color **37.1617, 54.1111, 42.2041** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.3191, 28.6024, 38.9951**, and the grayscale version is **42.0910, 44.2830, 48.2242**.

A 20% lighter version of the original color is **64.5169, 84.9129, 77.9552**, and **16.6267, 26.6573, 18.7371** is the 20% darker color. If you saturate the color by 10%, you get **33.8183, 52.4973, 37.1549**, and if you desaturate by 10%, it is **41.2423, 56.0978, 47.7455**.

Distribution



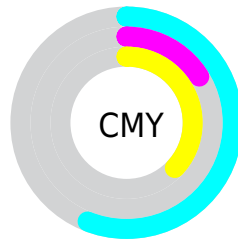
- Red (44%)
- Green (84%)
- Blue (63%)



- Red (44%)
- Yellow (71%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)





- Cyan (56%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1617, 54.1111, 42.2041 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 37.1617, 54.1111, 42.2041 by changing the saturation by 10% instead.


 37.1617, 54.1111,
42.2041


 37.1617, 54.1111,
42.2041


325.3535,
402.5335, 371.1529


 25.5070, 38.6905,
28.9344


 70.1336, 96.2374,
79.7819

 16.5859, 26.5190,
18.7860


 92.1815, 123.7118,
104.9270

 10.0332, 17.2123,
11.3405


 118.4245,
155.9729, 134.8676

 5.4834, 10.3860,
6.1793

149.2280,
193.4052, 170.0223

 2.5712, 5.6556,
2.8839

184.9572,
236.3930, 210.8097

 0.9313, 2.6368,
1.0356

225.9777,

 0.0000, 0.9452,

285.3208, 257.6482

0.0000

272.6546,
340.5728, 310.9564

■ 0.0000, 0.0000,
0.0000

■ 37.1617, 54.1111,
42.2041

■ 37.1617, 54.1111,
42.2041

■ 33.8183, 52.4973,
37.1549

■ 41.2423, 56.0978,
47.7455

■ 31.1589, 51.2248,
32.5801

■ 46.0998, 58.4732,
53.7887

■ 29.1299, 50.2678,
28.4660


■ 51.7765, 61.2603,
60.3479


■ 27.6667, 49.5932,
24.7968


■ 58.3097, 64.4782,
67.4355


■ 26.6807, 49.1556,
21.5549


■ 65.7350, 68.1449,
75.0634

 26.4859, 49.0705,
20.8559

 74.0854, 72.2773,
83.2430

 80.8443, 75.5778,
91.8663

 82.5370, 76.2549,
100.7800

 83.3376, 76.5751,
104.9959

Harmonies

Analogous

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



41.6555, 54.1111, 28.0163



37.1617, 54.1111, 42.2041



36.2626, 54.1111, 65.7364

Triad

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



37.1617, 54.1111, 42.2041



53.7598, 54.1111, 122.0856



66.2001, 54.1111, 33.7320

Complementary

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



37.1617, 54.1111, 42.2041



40.3191, 28.6024, 38.9951

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.



70.3302, 54.1111, 52.5877



37.1617, 54.1111, 42.2041



62.6273, 54.1111, 106.8471

Square

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



37.1617, 54.1111, 42.2041



45.2050, 54.1111, 116.9203



68.9525, 54.1111, 79.5473



58.2039, 54.1111, 24.2006

Rectangle

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



37.1617, 54.1111, 42.2041



37.7138, 54.1111, 84.7764



68.9525, 54.1111, 79.5473



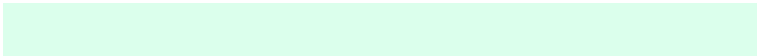
68.1263, 54.1111, 38.9377

Sweetspot

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



37.1631, 54.1133, 42.2053



80.2695, 92.7089, 93.3638



42.7829, 57.4157, 24.1574



16.7434, 19.6282, 19.5016



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.



37.1631, 54.1133, 42.2053



50.3316, 78.0865, 55.3187



42.4382, 56.2233, 69.9834



12.5084, 13.9944, 14.4917



16.0604, 29.6795, 12.8795



1.0104, 1.8068, 0.9965

Inverse Universe

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



40.3191, 28.6024, 38.9951



55.5539, 35.8467, 49.9879



36.6449, 27.1327, 19.6471



12.6900, 12.5275, 14.3079



18.5557, 9.3586, 10.2305



1.1609, 0.5812, 0.8369

Previews

White Background



This preview shows how the XYZ color 37.1617, 54.1111, 42.2041 looks on a white background.

Color Contrast Check

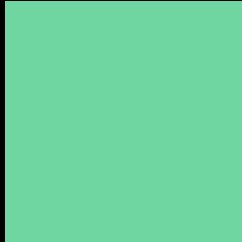
Large Text (above 18pt) WCAG AA × Fail

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 37.1617, 54.1111, 42.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

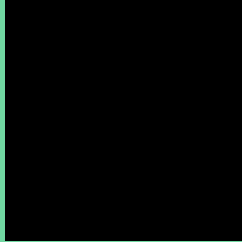
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1617, 54.1111, 42.2041

Background



This preview shows how black text looks on a background with the XYZ color 37.1617, 54.1111, 42.2041.



This preview shows how white text looks on a background with the XYZ color 37.1617, 54.1111,

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

37.1617, 54.1111, 42.2041

Protanopia

50.1095, 53.4961, 36.9629

Deuteranopia

54.3528, 53.2800, 43.9786



Tritanopia

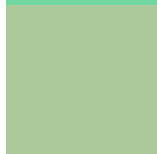
44.1582, 54.0057, 77.2040

Trichromacy



Original Color

37.1617, 54.1111, 42.2041



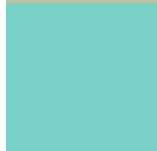
Protanomaly

43.8163, 52.9105, 38.9137



Deuteranomaly

45.5875, 52.0202, 43.2355



Tritanomaly

41.2518, 53.9086, 62.8748

Monochromacy



Original Color

37.1617, 54.1111, 42.2041



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9010, 46.5395, 45.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1617, 54.1111, 42.2041 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(112, 214, 161)` looks like.

```
.text, #text, p{  
    color:rgb(112, 214, 161)  
}
```

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(112, 214, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 214, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.1617, 54.1111, 42.2041 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(112, 214, 161) }
```


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

```
.border{ border-color:rgb(112, 214, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 214, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 214, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 214, 161);  
box-shadow:4px 4px 4px 4px rgb(112, 214,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1617, 54.1111, 42.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 214, 161) }
```

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

```
.background{ background-color: rgb(112,  
214, 161) }
```

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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