

Converting Colors

XYZ(22.2635, 37.4117, 12.0090)

Have a look what the booklet for
XYZ(22.2635, 37.4117, 12.0090)
contains.

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Color

**XYZ(22.2635, 37.4117,
12.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	53BA47
RGB	83, 186, 71
RGB Percent	33%, 73%, 28%
CMY	0.6745, 0.2706, 0.7216
CMYK	0.55, 0.00, 0.62, 0.27
HSL	114°, 45%, 50%
HSV	114°, 62%, 73%
XYZ	22.2635, 37.4117, 12.0090
YIQ	142.0930, -24.4730, -57.6010

Conversions

Conversions Part 2

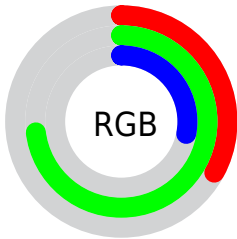
Format	Color
RYB	71, 186, 174
Decimal	5487175
CIELab	67.58, -52.06, 48.20
CIELCh	68, 70.948, 137.208
Yxy	37.4117, 0.3106, 0.5219
Android (android.graphics.Color)	4283677255 (0xFF53BA47)
YUV	142.0930, -35.0488, -51.8246
Hunter-Lab	61.1651, -42.0667, 31.1747

Details

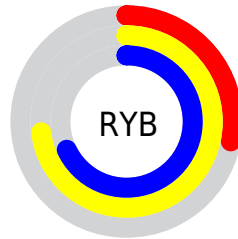
The XYZ color **22.2635, 37.4117, 12.0090** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.5737, 17.0516, 48.2416**, and the grayscale version is **25.8902, 27.2385, 29.6627**.

A 20% lighter version of the original color is **46.6102, 71.1940, 30.0241**, and **8.3556, 16.5471, 3.1690** is the 20% darker color. If you saturate the color by 10%, you get **20.4584, 36.5410, 9.2715**, and if you desaturate by 10%, it is **24.6063, 38.5407, 15.7269**.

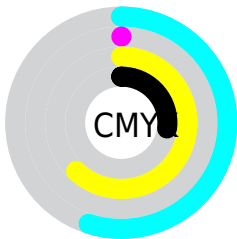
Distribution



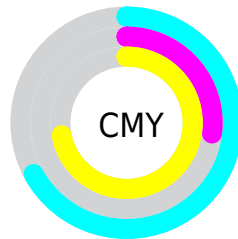
- Red (33%)
- Green (73%)
- Blue (28%)



- Red (28%)
- Yellow (73%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)





- Cyan (67%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2635, 37.4117, 12.0090 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 22.2635, 37.4117, 12.0090 by changing the saturation by 10% instead.


 22.2635, 37.4117,
12.0090


 22.2635, 37.4117,
12.0090


256.5258,
335.0895, 215.4449


 14.1683, 25.5264,
6.6272


 46.6567, 71.2055,
30.1761

 8.3203, 16.4697,
3.1552


 63.6855, 93.8829,
43.7986


 4.3541, 9.8571,
1.1744


 84.4229, 120.9263,
61.0049

 1.9044, 5.3043,
0.0000

 109.2342,
152.7203, 82.2138

 0.5794, 2.4269,
0.0000

 138.4848,
189.6493, 107.8437

 0.0000, 0.8397,
0.0000

172.5400,

 0.0000, 0.0000,

232.0975, 138.3131

0.0000

211.7652,
280.4495, 174.0407

■ 22.2635, 37.4117,
12.0090

■ 22.2635, 37.4117,
12.0090

■ 20.4584, 36.5410,
9.2715

■ 24.6063, 38.5407,
15.7269

■ 19.1452, 35.9037,
7.4195

■ 27.5224, 39.9413,
20.5032

■ 18.2752, 35.4780,
6.3443

■ 31.0474, 41.6314,
26.4112

■ 17.8362, 35.2618,
5.8662

■ 35.2133, 43.6261,
33.5167

■ 40.0498, 45.9393,
41.8807

■ 45.5848, 48.5841,
51.5598

■ 51.8445, 51.5731,
62.6075

■ 58.8539, 54.9179,
75.0739

■ 66.6367, 58.6297,
89.0069

Harmonies

Analogous

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



29.6990, 37.4117, 6.0549



22.2635, 37.4117, 12.0090



18.7551, 37.4117, 28.8130

Triad

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



22.2635, 37.4117, 12.0090



31.1071, 37.4117, 132.0798



59.6372, 37.4117, 25.4030

Complementary

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



22.2635, 37.4117, 12.0090



28.5737, 17.0516, 48.2416

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.



60.2305, 37.4117, 55.5612



22.2635, 37.4117, 12.0090



42.1425, 37.4117, 129.4692

Square

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



22.2635, 37.4117, 12.0090



23.1116, 37.4117, 102.7545



53.3092, 37.4117, 96.8001



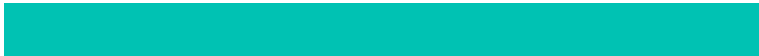
51.8242, 37.4117, 10.6150

Rectangle

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



22.2635, 37.4117, 12.0090



18.5240, 37.4117, 48.7592



53.3092, 37.4117, 96.8001



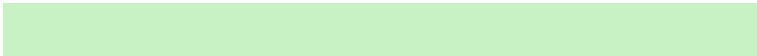
60.7369, 37.4117, 33.6433

Sweetspot

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



22.2644, 37.4133, 12.0098



65.9097, 80.0697, 64.3386



36.2524, 40.6234, 11.8922



13.9898, 17.3817, 13.2658



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2644, 37.4133, 12.0098



36.1758, 65.7917, 15.4928



23.2579, 37.6988, 22.2966



8.9750, 10.1038, 9.5841



12.0307, 23.7384, 3.9479



0.4531, 0.8518, 0.1405

Inverse Universe

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



28.5737, 17.0516, 48.2416



48.4420, 25.7545, 86.6193



27.3805, 16.8970, 27.3781



9.2861, 9.1139, 11.3492



16.6641, 7.9019, 31.9000



0.6142, 0.2923, 1.1258

Previews

White Background



This preview shows how the XYZ color 22.2635, 37.4117, 12.0090 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 22.2635, 37.4117, 12.0090 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 22.2635, 37.4117, 12.0090

Background



This preview shows how black text looks on a background with the XYZ color 22.2635, 37.4117, 12.0090.



This preview shows how white text looks on a background with the XYZ color 22.2635, 37.4117,

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

22.2635, 37.4117, 12.0090

Protanopia

33.5210, 36.8777, 10.3524

Deuteranopia

37.4238, 36.7736, 12.7150



Tritanopia

30.3975, 37.0911, 53.1341

Trichromacy



Original Color

22.2635, 37.4117, 12.0090



Protanomaly

27.6197, 36.0213, 10.8073



Deuteranomaly

29.2588, 35.4424, 12.3201



Tritanomaly

26.1768, 36.5378, 32.4609

Monochromacy



Original Color

22.2635, 37.4117, 12.0090



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.2644, 29.7796, 21.0449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2635, 37.4117, 12.0090 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(83, 186, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 186, 71)  
}
```

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(83, 186, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 186, 71) }
```

Border

The CSS property to change the border of an element to XYZ 22.2635, 37.4117, 12.0090 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(83, 186, 71) }
```


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

```
.border{ border-color:rgb(83, 186, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 186, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 186, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 186, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 186,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2635, 37.4117, 12.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 186, 71) }
```

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

```
.background{ background-color: rgb(83, 186,  
71) }
```

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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