

Converting Colors

XYZ(22.3151, 37.3205, 17.3367)

Have a look what the booklet for
XYZ(22.3151, 37.3205, 17.3367)
contains.

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Color

**XYZ(22.3151, 37.3205,
17.3367)**

Conversions

Conversions Part 1

Format	Color
Hex	47BA61
RGB	71, 186, 97
RGB Percent	28%, 73%, 38%
CMY	0.7216, 0.2706, 0.6196
CMYK	0.62, 0.00, 0.48, 0.27
HSL	134°, 45%, 50%
HSV	134°, 62%, 73%
XYZ	22.3151, 37.3205, 17.3367
YIQ	141.4690, -39.9710, -52.0590

Conversions

Conversions Part 2

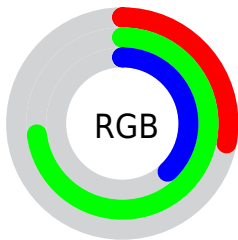
Format	Color
RYB	71, 165, 186
Decimal	4700769
CIELab	67.52, -51.53, 35.59
CIELCh	68, 62.630, 145.367
Yxy	37.3205, 0.2899, 0.4849
Android (android.graphics.Color)	4282890849 (0xFF47BA61)
YUV	141.4690, -21.9232, -61.8013
Hunter-Lab	61.0905, -41.7060, 25.9376

Details

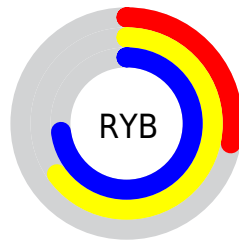
The XYZ color **22.3151, 37.3205, 17.3367** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.8492, 17.4843, 35.1129**, and the grayscale version is **25.5973, 26.9304, 29.3272**.

A 20% lighter version of the original color is **46.6813, 71.0169, 39.6810**, and **8.7848, 16.7159, 5.5598** is the 20% darker color. If you saturate the color by 10%, you get **20.5427, 36.4785, 14.0627**, and if you desaturate by 10%, it is **24.6286, 38.4295, 21.2735**.

Distribution



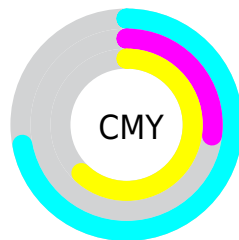
- Red (28%)
- Green (73%)
- Blue (38%)



- Red (28%)
- Yellow (65%)
- Blue (73%)



- Cyan (62%)
- Magenta (0%)
- Yellow (48%)
- Black (27%)



- Cyan (72%)
- Magenta (27%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3151, 37.3205, 17.3367 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 22.3151, 37.3205, 17.3367 by changing the saturation by 10% instead.

■ 22.3151, 37.3205,
17.3367

■ 22.3151, 37.3205,
17.3367

256.7890,
334.6960, 249.2146

■ 14.2065, 25.4557,
10.3104

■ 46.7412, 71.0654,
39.7023

■ 8.3471, 16.4169,
5.4969

■ 63.7895, 93.7144,
55.8787

■ 4.3715, 9.8197,
2.4779

■ 84.5483, 120.7269,
75.9421

■ 1.9144, 5.2795,
0.8284

■ 109.3831,
152.4873, 100.3112

■ 0.5852, 2.4122,
0.0000

■ 138.6592,
189.3800, 129.4045

■ 0.0000, 0.8322,
0.0000

172.7420,

■ 0.0000, 0.0000,

231.7895, 163.6404

0.0000

211.9968,
280.1000, 203.4376

■ 22.3151, 37.3205,
17.3367

■ 22.3151, 37.3205,
17.3367

■ 20.5427, 36.4785,
14.0627

■ 24.6286, 38.4295,
21.2735

■ 19.2627, 35.8760,
11.4124

■ 27.5210, 39.8211,
25.9042

■ 18.4215, 35.4872,
9.3464

■ 31.0300, 41.5151,
31.2611

■ 17.9785, 35.2869,
8.0591

■ 35.1891, 43.5282,
37.3737

■ 40.0293, 45.8758,
44.2699

■ 45.5798, 48.5724,
51.9760

■ 51.8679, 51.6315,
60.5173

■ 58.9196, 55.0660,
69.9177

■ 66.7594, 58.8881,
80.2005

Harmonies

Analogous

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



28.1168, 37.3205, 9.0877



22.3151, 37.3205, 17.3367



20.0335, 37.3205, 36.5015

Triad

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



22.3151, 37.3205, 17.3367



33.9975, 37.3205, 119.7081



54.9687, 37.3205, 21.8898

Complementary

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



22.3151, 37.3205, 17.3367



28.8492, 17.4843, 35.1129

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.



57.3106, 37.3205, 45.0708



22.3151, 37.3205, 17.3367



44.0096, 37.3205, 109.8425

Square

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



22.3151, 37.3205, 17.3367



25.9562, 37.3205, 101.7394



52.9903, 37.3205, 78.8322



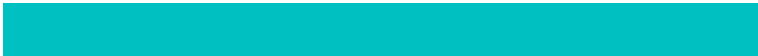
47.0686, 37.3205, 10.7587

Rectangle

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



22.3151, 37.3205, 17.3367



20.4472, 37.3205, 56.3685



52.9903, 37.3205, 78.8322



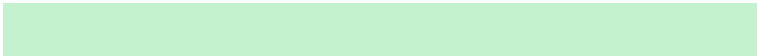
56.4866, 37.3205, 28.1419

Sweetspot

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



22.3160, 37.3220, 17.3375



65.8666, 79.9057, 70.7458



33.4123, 43.1603, 12.5311



13.9804, 17.3423, 14.8233



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.



22.3160, 37.3220, 17.3375



36.3497, 65.6991, 23.7335



25.9427, 38.7727, 36.4355



8.9713, 10.0925, 10.0063



12.1190, 23.7485, 5.5485



0.4512, 0.8468, 0.3218

Inverse Universe

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



28.8492, 17.4843, 35.1129



49.1079, 26.7258, 58.2732



24.9815, 15.9372, 14.7460



9.2917, 9.1270, 10.8835



17.0367, 8.3884, 18.6120



0.6223, 0.3044, 0.7703

Previews

White Background



This preview shows how the XYZ color 22.3151, 37.3205, 17.3367 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 22.3151, 37.3205, 17.3367 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 22.3151, 37.3205, 17.3367

Background



This preview shows how black text looks on a background with the XYZ color 22.3151, 37.3205, 17.3367.



This preview shows how white text looks on a background with the XYZ color 22.3151, 37.3205,

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

22.3151, 37.3205, 17.3367

Protanopia

33.7228, 36.6190, 14.7420

Deuteranopia

37.4131, 36.6467, 18.1983



Tritanopia

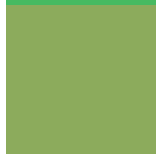
29.7494, 37.3098, 54.3487

Trichromacy



Original Color

22.3151, 37.3205, 17.3367



Protanomaly

27.3099, 35.4740, 15.5330



Deuteranomaly

28.9302, 35.1563, 17.5730



Tritanomaly

26.3465, 37.1175, 37.2283

Monochromacy



Original Color

22.3151, 37.3205, 17.3367



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.9611, 29.3076, 23.8488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3151, 37.3205, 17.3367 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(71, 186, 97)` looks like.

```
.text, #text, p{  
    color:rgb(71, 186, 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(71, 186, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 186, 97) }
```

Border

The CSS property to change the border of an element to XYZ 22.3151, 37.3205, 17.3367 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(71, 186, 97) }
```


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

```
.border{ border-color:rgb(71, 186, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 186, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 186, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 186, 97);  
box-shadow:4px 4px 4px 4px rgb(71, 186,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3151, 37.3205, 17.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 186, 97) }
```

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

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