

Converting Colors

XYZ(22.2669, 37.3496, 17.0276)

Have a look what the booklet for
XYZ(22.2669, 37.3496, 17.0276)
contains.

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Color

**XYZ(22.2688, 37.3019,
17.0926)**

Conversions

Conversions Part 1

Format	Color
Hex	47BA60
RGB	71, 186, 96
RGB Percent	28%, 73%, 38%
CMY	0.7216, 0.2706, 0.6235
CMYK	0.62, 0.00, 0.48, 0.27
HSL	133°, 45%, 50%
HSV	133°, 62%, 73%
XYZ	22.2688, 37.3019, 17.0926
YIQ	141.3550, -39.6500, -52.3700

Conversions

Conversions Part 2

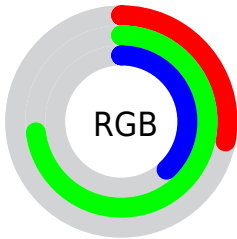
Format	Color
RYB	71, 165, 186
Decimal	4700768
CIELab	67.50, -51.69, 36.08
CIELCh	68, 63.034, 145.082
Yxy	37.3019, 0.2905, 0.4866
Android (android.graphics.Color)	4282890848 (0xFF47BA60)
YUV	141.3550, -22.3600, -61.7013
Hunter-Lab	61.0753, -41.7984, 26.1597

Details

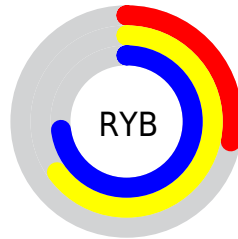
The XYZ color **22.2688, 37.3019, 17.0926** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.9372, 17.5196, 35.5762**, and the grayscale version is **25.5540, 26.8848, 29.2776**.

A 20% lighter version of the original color is **46.6018, 70.9851, 39.2623**, and **8.7644, 16.7078, 5.4523** is the 20% darker color. If you saturate the color by 10%, you get **20.4985, 36.4608, 13.8297**, and if you desaturate by 10%, it is **24.5825, 38.4110, 21.0304**.

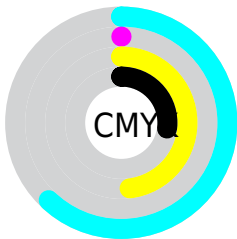
Distribution



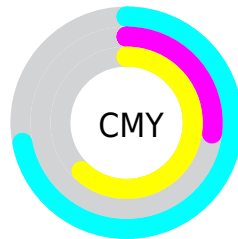
- Red (28%)
- Green (73%)
- Blue (38%)



- 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 22.2688, 37.3019, 17.0926 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 22.2688, 37.3019, 17.0926 by changing the saturation by 10% instead.

■ 22.2688, 37.3019,
17.0926

■ 22.2688, 37.3019,
17.0926

256.5529,
334.6157, 247.7674

■ 14.1723, 25.4413,
10.1379

■ 46.6654, 71.0369,
39.2777

■ 8.3231, 16.4062,
5.3837

■ 63.6962, 93.6800,
55.3453

■ 4.3559, 9.8120,
2.4114

■ 84.4358, 120.6862,
75.2874

■ 1.9054, 5.2745,
0.7927

■ 109.2495,
152.4398, 99.5228

■ 0.5800, 2.4092,
0.0000

■ 138.5027,
189.3251, 128.4700

■ 0.0000, 0.8306,
0.0000

172.5608,

■ 0.0000, 0.0000,

231.7266, 162.5475

0.0000

211.7890,
280.0287, 202.1738

■ 22.2688, 37.3019,
17.0926

■ 22.2688, 37.3019,
17.0926

■ 20.4985, 36.4608,
13.8297

■ 24.5825, 38.4110,
21.0304

■ 19.2225, 35.8598,
11.2012

■ 27.4777, 39.8037,
25.6756

■ 18.3872, 35.4734,
9.1661

■ 30.9923, 41.4999,
31.0615

■ 17.9500, 35.2754,
7.9093

■ 35.1598, 43.5164,
37.2186

■ 40.0116, 45.8687,
44.1758

■ 45.5771, 48.5712,
51.9603

■ 51.8836, 51.6377,
60.5982

■ 58.9572, 55.0810,
70.1142

■ 66.8227, 58.9134,
80.5324

Harmonies

Analogous

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



28.1297, 37.3019, 8.9256



22.2688, 37.3019, 17.0926



19.9454, 37.3019, 36.2114

Triad

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



22.2688, 37.3019, 17.0926



33.8812, 37.3019, 120.3229



55.1427, 37.3019, 21.9384

Complementary

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



22.2688, 37.3019, 17.0926



28.9372, 17.5196, 35.5762

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.



57.4397, 37.3019, 45.3629



22.2688, 37.3019, 17.0926



43.9515, 37.3019, 110.6245

Square

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



22.2688, 37.3019, 17.0926



25.8251, 37.3019, 101.9421



53.0266, 37.3019, 79.4439



47.2213, 37.3019, 10.6969

Rectangle

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



22.2688, 37.3019, 17.0926



20.3385, 37.3019, 56.1378



53.0266, 37.3019, 79.4439



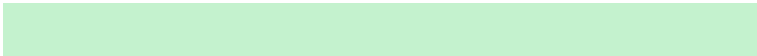
56.6529, 37.3019, 28.2558

Sweetspot

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



22.2697, 37.3034, 17.0934



65.8178, 79.8862, 70.4887



33.4124, 43.1602, 12.5314



13.9684, 17.3376, 14.7604



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.



22.2697, 37.3034, 17.0934



36.2716, 65.6679, 23.3222



25.9428, 38.7727, 36.4356



8.9681, 10.0912, 9.9896



12.0992, 23.7406, 5.4441



0.4498, 0.8462, 0.3147

Inverse Universe

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



28.9372, 17.5196, 35.5762



49.2934, 26.8000, 59.2497



24.9816, 15.9374, 14.7463



9.2951, 9.1284, 10.9013



17.1198, 8.4217, 19.0496



0.6246, 0.3053, 0.7827

Previews

White Background



This preview shows how the XYZ color 22.2688, 37.3019, 17.0926 looks on a white background.

Color Contrast Check

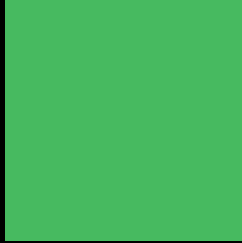
Large Text (above 18pt) WCAG AA × Fail

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 22.2688, 37.3019, 17.0926 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 22.2688, 37.3019, 17.0926

Background



This preview shows how black text looks on a background with the XYZ color 22.2688, 37.3019, 17.0926.



This preview shows how white text looks on a background with the XYZ color 22.2688, 37.3019,

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

22.2688, 37.3019, 17.0926

Protanopia

33.6810, 36.6023, 14.5223

Deuteranopia

37.3626, 36.6265, 17.9324



Tritanopia

29.7494, 37.3098, 54.3487

Trichromacy



Original Color

22.2688, 37.3019, 17.0926



Protanomaly

27.2665, 35.4566, 15.3042



Deuteranomaly

28.8815, 35.1368, 17.3165



Tritanomaly

26.3465, 37.1175, 37.2283

Monochromacy



Original Color

22.2688, 37.3019, 17.0926



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 22.2688, 37.3019, 17.0926 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(71, 186, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 186, 96) }
```

Border

The CSS property to change the border of an element to XYZ 22.2688, 37.3019, 17.0926 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, 96) }
```


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

```
.border{ border-color:rgb(71, 186, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 186, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 186, 96);  
box-shadow:4px 4px 4px 4px rgb(71, 186,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2688, 37.3019, 17.0926 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, 96) }
```

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

```
.background{ background-color: rgb(71, 186,  
96) }
```

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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