

Converting Colors

XYZ(30.3000, 39.5800, 13.7189)

Have a look what the booklet for
XYZ(30.3000, 39.5800, 13.7189)
contains.

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Color

**XYZ(30.3469, 39.7057,
13.6539)**

Conversions

Conversions Part 1

Format	Color
Hex	96B450
RGB	150, 180, 80
RGB Percent	59%, 71%, 31%
CMY	0.4118, 0.2941, 0.6863
CMYK	0.17, 0.00, 0.56, 0.29
HSL	78°, 40%, 51%
HSV	78°, 56%, 71%
XYZ	30.3469, 39.7057, 13.6539
YIQ	159.6300, 14.2200, -37.4600

Conversions

Conversions Part 2

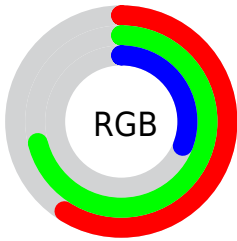
Format	Color
RYB	80, 180, 110
Decimal	9876560
CIELab	69.26, -25.76, 46.89
CIElCh	69, 53.501, 118.780
Yxy	39.7057, 0.3625, 0.4743
Android (android.graphics.Color)	4288066640 (0xFF96B450)
YUV	159.6300, -39.2576, -8.4455
Hunter-Lab	63.0125, -24.3059, 31.2614

Details

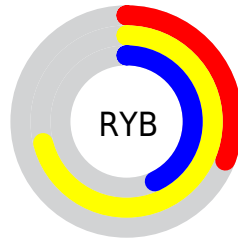
The XYZ color **30.3469, 39.7057, 13.6539** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.5388, 12.3486, 44.6414**, and the grayscale version is **33.4145, 35.1546, 38.2834**.

A 20% lighter version of the original color is **59.6139, 74.7787, 33.1215**, and **12.7287, 17.8040, 3.8642** is the 20% darker color. If you saturate the color by 10%, you get **28.7982, 38.9754, 10.5629**, and if you desaturate by 10%, it is **32.1215, 40.5344, 17.6870**.

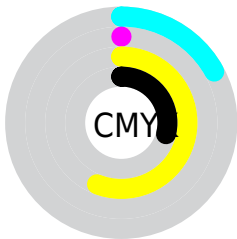
Distribution



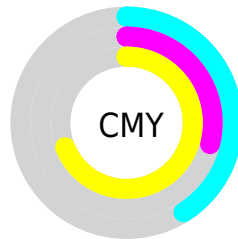
- Red (59%)
- Green (71%)
- Blue (31%)



- Red (31%)
- Yellow (71%)
- Blue (43%)



- Cyan (17%)
- Magenta (0%)
- Yellow (56%)
- Black (29%)



- Cyan (41%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3469, 39.7057, 13.6539 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 30.3469, 39.7057, 13.6539 by changing the saturation by 10% instead.

■ 30.3469, 39.7057,
13.6539

■ 30.3469, 39.7057,
13.6539

295.3990,
344.8816, 226.4200

■ 20.2514, 27.3092,
7.7444

■ 59.5932, 74.7152,
33.1819

■ 12.6873, 17.8055,
3.8464

■ 79.4748, 98.0969,
47.6374

■ 7.2891, 10.8105,
1.5415

■ 103.3491,
125.9091, 65.7787

■ 3.6915, 5.9395,
0.2485

■ 131.5814,
158.5362, 88.0242

■ 1.5291, 2.8083,
0.0000

■ 164.5373,
196.3626, 114.7926

■ 0.3455, 1.0325,
0.0000

202.5819,

■ 0.0000, 0.0000,

239.7727, 146.5023

0.0000

246.0807,
289.1509, 183.5720

■ 30.3469, 39.7057,
13.6539

■ 30.3469, 39.7057,
13.6539

■ 28.7982, 38.9754,
10.5629

■ 32.1215, 40.5344,
17.6870

■ 27.4574, 38.3321,
8.3347

■ 34.1327, 41.4617,
22.7280

■ 26.3079, 37.7705,
6.8812

■ 36.3938, 42.4944,
28.8398

■ 25.3278, 37.2818,
6.0909

■ 38.9163, 43.6372,
36.0794

■ 24.9257, 37.0795,
5.8433

■ 41.7106, 44.8943,
44.4997

■ 44.7869, 46.2697,
54.1503

■ 48.1545, 47.7674,
65.0781

■ 51.8225, 49.3910,
77.3274

■ 55.7992, 51.1439,
90.9403

Harmonies

Analogous

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



38.0912, 39.7057, 11.1287



30.3469, 39.7057, 13.6539



25.3257, 39.7057, 23.0908

Triad

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



30.3469, 39.7057, 13.6539



29.8242, 39.7057, 97.4693



56.7326, 39.7057, 44.2458

Complementary

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



30.3469, 39.7057, 13.6539



17.5388, 12.3486, 44.6414

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.



53.6622, 39.7057, 72.6062



30.3469, 39.7057, 13.6539



37.3892, 39.7057, 109.6819

Square

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



30.3469, 39.7057, 13.6539



25.0576, 39.7057, 70.1739



46.2436, 39.7057, 99.2079



54.1073, 39.7057, 24.2561

Rectangle

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



30.3469, 39.7057, 13.6539



23.7705, 39.7057, 34.6828



46.2436, 39.7057, 99.2079



56.3251, 39.7057, 53.0837

Sweetspot

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



30.3478, 39.7075, 13.6547



69.7311, 78.7451, 62.9869



25.8477, 21.4356, 10.3651



14.8725, 16.9297, 13.0360



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.3478, 39.7075, 13.6547



51.5495, 70.3499, 17.9608



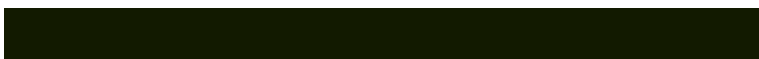
23.0260, 35.9329, 13.3121



8.9439, 9.7761, 9.0681



17.4660, 25.9141, 4.0814



0.6051, 0.8440, 0.1310

Inverse Universe

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



17.5388, 12.3486, 44.6414



26.0169, 15.6698, 79.9479



25.6055, 16.5072, 45.0189



8.2737, 8.3496, 10.6819



6.8722, 2.8786, 30.3304



0.2767, 0.1217, 0.9572

Previews

White Background



This preview shows how the XYZ color 30.3469, 39.7057, 13.6539 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 30.3469, 39.7057, 13.6539 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 30.3469, 39.7057, 13.6539

Background



This preview shows how black text looks on a background with the XYZ color 30.3469, 39.7057, 13.6539.



This preview shows how white text looks on a background with the XYZ color 30.3469, 39.7057,

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

30.3469, 39.7057, 13.6539

Protanopia

36.0210, 39.4766, 12.7424

Deuteranopia

40.1167, 39.4110, 14.0870



Tritanopia

37.6355, 39.4762, 50.4358

Trichromacy



Original Color

30.3469, 39.7057, 13.6539

Protanomaly

33.7743, 39.4359, 13.0395

Deuteranomaly

35.8137, 39.0689, 13.8371

Tritanomaly

34.2324, 39.2316, 32.9623

Monochromacy



Original Color

30.3469, 39.7057, 13.6539

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.6258, 36.3440, 26.8210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3469, 39.7057, 13.6539 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(150, 180, 80)` looks like.

```
.text, #text, p{  
    color:rgb(150, 180, 80)  
}
```

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(150, 180, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 180, 80) }
```

Border

The CSS property to change the border of an element to XYZ 30.3469, 39.7057, 13.6539 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(150, 180, 80) }
```


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

```
.border{ border-color:rgb(150, 180, 80) }
```

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

Here you see how a box with a 4 pixel rgb(150, 180, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 180, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 180, 80);  
box-shadow:4px 4px 4px 4px rgb(150, 180,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3469, 39.7057, 13.6539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 180, 80) }
```

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

```
.background{ background-color: rgb(150,  
180, 80) }
```

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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