

Converting Colors

XYZ(36.9984, 51.5997, 35.1031)

Have a look what the booklet for
XYZ(36.9984, 51.5997, 35.1031)
contains.

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Color

**XYZ(37.0169, 51.6065,
35.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	84CF92
RGB	132, 207, 146
RGB Percent	52%, 81%, 57%
CMY	0.4823, 0.1882, 0.4274
CMYK	0.36, 0.00, 0.29, 0.19
HSL	131°, 44%, 66%
HSV	131°, 36%, 81%
XYZ	37.0169, 51.6065, 35.2042
YIQ	177.6210, -25.1190, -34.8710

Conversions

Conversions Part 2

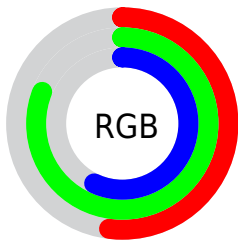
Format	Color
RYB	132, 195, 207
Decimal	8703890
CIELab	77.04, -35.92, 23.15
CIELCh	77, 42.733, 147.194
Yxy	51.6065, 0.2989, 0.4168
Android (android.graphics.Color)	4286893970 (0xFF84CF92)
YUV	177.6210, -15.5892, -40.0096
Hunter-Lab	71.8377, -33.7375, 21.2312

Details

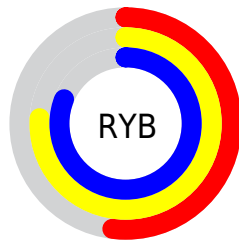
The XYZ color **37.0169, 51.6065, 35.2042** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.6108, 33.6194, 54.6449**, and the grayscale version is **42.2070, 44.4051, 48.3571**.

A 20% lighter version of the original color is **66.6788, 86.2549, 67.7781**, and **16.5182, 24.9450, 14.7707** is the 20% darker color. If you saturate the color by 10%, you get **32.8808, 49.6161, 28.6705**, and if you desaturate by 10%, it is **41.9909, 54.0095, 42.7862**.

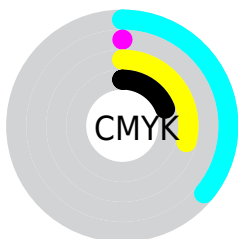
Distribution



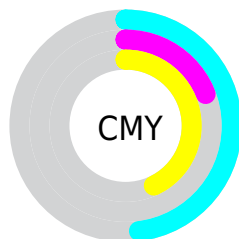
- Red (52%)
- Green (81%)
- Blue (57%)



- Red (52%)
- Yellow (76%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)





- Cyan (48%)
- Magenta (19%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0169, 51.6065, 35.2042 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 37.0169, 51.6065, 35.2042 by changing the saturation by 10% instead.


 37.0169, 51.6065,
35.2042


 37.0169, 51.6065,
35.2042


324.7379,
392.9156, 340.4003


 25.3943, 36.6915,
23.5354


 69.9124, 92.5507,
68.9571

 16.5014, 24.9687,
14.7803


 91.9161, 119.3486,
91.8784

 9.9727, 16.0538,
8.5205


 118.1108,
150.8764, 119.3875

 5.4430, 9.5622,
4.3372

148.8620,
187.5183, 151.9030

 2.5469, 5.1097,
1.8121

184.5349,
229.6588, 189.8436

 0.9189, 2.3118,
0.4359

225.4950,

 0.0000, 0.7799,

277.6822, 233.6276

0.0000

272.1075,
331.9730, 283.6737

■ 0.0000, 0.0000,
0.0000

■ 37.0169, 51.6065,
35.2042

■ 37.0169, 51.6065,
35.2042

■ 32.8808, 49.6161,
28.6705

■ 41.9909, 54.0095,
42.7862

■ 29.5319, 48.0087,
23.1357

■ 47.8416, 56.8398,
51.4562

■ 26.9205, 46.7612,
18.5513


■ 54.6104, 60.1194,
61.2560


■ 24.9889, 45.8451,
14.8637


■ 62.3348, 63.8667,
72.2244


■ 23.6710, 45.2274,
12.0138

■ 71.0501, 68.0991,
84.3980

 22.8848, 44.8673,
9.9351

 80.3454, 72.6042,
97.7913

 22.6741, 44.7717,
9.3351

 81.6038, 73.1076,
104.4179

Harmonies

Analogous

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



42.2282, 51.6065, 24.9661



37.0169, 51.6065, 35.2042



34.9975, 51.6065, 54.0211

Triad

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



37.0169, 51.6065, 35.2042



48.2869, 51.6065, 114.0320



64.3600, 51.6065, 38.0661

Complementary

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



37.0169, 51.6065, 35.2042



43.6108, 33.6194, 54.6449

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.



66.4366, 51.6065, 58.4177



37.0169, 51.6065, 35.2042



56.5705, 51.6065, 106.3419

Square

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



37.0169, 51.6065, 35.2042



41.0365, 51.6065, 103.0140



63.4444, 51.6065, 84.1996



58.0452, 51.6065, 26.2680

Rectangle

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



37.0169, 51.6065, 35.2042



35.5449, 51.6065, 70.5375



63.4444, 51.6065, 84.1996



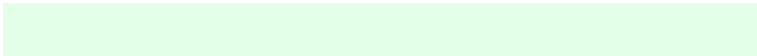
65.6053, 51.6065, 43.9345

Sweetspot

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



37.0182, 51.6087, 35.2054



82.0147, 93.6795, 90.2418



48.5358, 57.6644, 30.4026



17.2386, 19.8982, 18.8574



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.



37.0182, 51.6087, 35.2054



54.3651, 80.3181, 48.6265



40.4034, 52.9627, 53.0314



11.7452, 13.2418, 13.0145



14.3109, 28.2173, 6.0175



0.8278, 1.5888, 0.4817

Inverse Universe

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



43.6108, 33.6194, 54.6449



66.3468, 47.5891, 83.9321



39.9645, 32.1609, 35.4440



12.2122, 11.9696, 14.3932



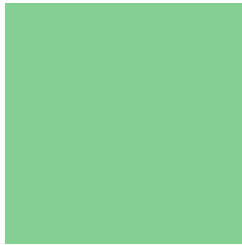
20.7195, 10.1606, 24.4925



1.1836, 0.5782, 1.5016

Previews

White Background



This preview shows how the XYZ color 37.0169, 51.6065, 35.2042 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 37.0169, 51.6065, 35.2042 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 37.0169, 51.6065, 35.2042

Background



This preview shows how black text looks on a background with the XYZ color 37.0169, 51.6065, 35.2042.



This preview shows how white text looks on a background with the XYZ color 37.0169, 51.6065,

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

37.0169, 51.6065, 35.2042

Protanopia

47.4136, 50.9267, 31.3756

Deuteranopia

52.1327, 51.0624, 36.3865



Tritanopia

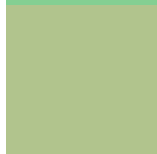
44.1857, 51.3542, 71.2018

Trichromacy



Original Color

37.0169, 51.6065, 35.2042



Protanomaly

42.6791, 50.7501, 32.7456



Deuteranomaly

45.0419, 50.2503, 35.7591



Tritanomaly

41.0565, 51.1101, 55.8455

Monochromacy



Original Color

37.0169, 51.6065, 35.2042



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.7785, 46.7254, 42.9988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0169, 51.6065, 35.2042 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(132, 207, 146)` looks like.

```
.text, #text, p{  
    color:rgb(132, 207, 146)  
}
```

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(132, 207, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 207, 146) }
```

Border

The CSS property to change the border of an element to XYZ 37.0169, 51.6065, 35.2042 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(132, 207, 146) }
```


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

```
.border{ border-color:rgb(132, 207, 146) }
```

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

Here you see how a box with a 4 pixel rgb(132, 207, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 207, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 207, 146);  
box-shadow:4px 4px 4px 4px rgb(132, 207,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0169, 51.6065, 35.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 207, 146) }
```

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

```
.background{ background-color: rgb(132,  
207, 146) }
```

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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