

Converting Colors

XYZ(23.3189, 37.7134, 18.3638)

Have a look what the booklet for
XYZ(23.3189, 37.7134, 18.3638)
contains.

XYZ(23.3875, 37.8512, 18.3853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3875, 37.8512,
18.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	52BA65
RGB	82, 186, 101
RGB Percent	32%, 73%, 40%
CMY	0.6784, 0.2706, 0.6039
CMYK	0.56, 0.00, 0.46, 0.27
HSL	131°, 43%, 53%
HSV	131°, 56%, 73%
XYZ	23.3875, 37.8512, 18.3853
YIQ	145.2140, -34.6990, -48.4830

Conversions

Conversions Part 2

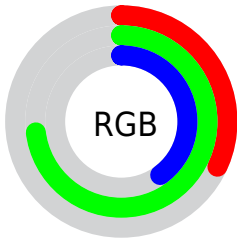
Format	Color
RYB	82, 170, 186
Decimal	5421669
CIELab	67.91, -48.37, 34.13
CIELCh	68, 59.196, 144.791
Yxy	37.8512, 0.2937, 0.4754
Android (android.graphics.Color)	4283611749 (0xFF52BA65)
YUV	145.2140, -21.7975, -55.4387
Hunter-Lab	61.5233, -39.8108, 25.3484

Details

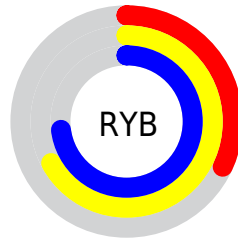
The XYZ color **23.3875, 37.8512, 18.3853** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.2431, 19.2643, 38.6844**, and the grayscale version is **27.0974, 28.5086, 31.0459**.

A 20% lighter version of the original color is **48.4478, 71.8901, 41.4597**, and **8.9462, 16.7892, 6.0179** is the 20% darker color. If you saturate the color by 10%, you get **21.3069, 36.8579, 14.7533**, and if you desaturate by 10%, it is **26.0462, 39.1287, 22.7652**.

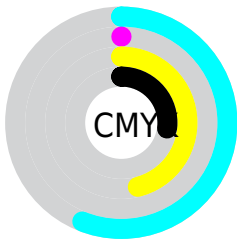
Distribution



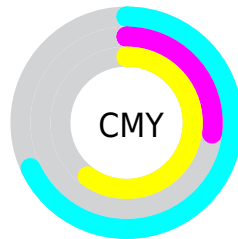
- Red (32%)
- Green (73%)
- Blue (40%)



- Red (32%)
- Yellow (67%)
- Blue (73%)



- Cyan (56%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)



- Cyan (68%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3875, 37.8512, 18.3853 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 23.3875, 37.8512, 18.3853 by changing the saturation by 10% instead.

■ 23.3875, 37.8512,
18.3853

■ 23.3875, 37.8512,
18.3853

262.2074,
336.9812, 255.3426

■ 15.0022, 25.8672,
11.0547

■ 48.4908, 71.8800,
41.5155

■ 8.9072, 16.7243,
5.9890

■ 65.9395, 94.6936,
58.1522

■ 4.7373, 10.0381,
2.7697

■ 87.1400, 121.8859,
78.7281

■ 2.1272, 5.4243,
0.9783

■ 112.4577,
153.8413, 103.6615

■ 0.7039, 2.4983,
0.0000

142.2579,
190.9441, 133.3711

■ 0.0000, 0.8758,
0.0000

176.9061,

■ 0.0000, 0.0000,

233.5788, 168.2755

0.0000

216.7674,
282.1297, 208.7931

■ 23.3875, 37.8512,
18.3853

■ 23.3875, 37.8512,
18.3853

■ 21.3069, 36.8579,
14.7533

■ 26.0462, 39.1287,
22.7652

■ 19.7575, 36.1224,
11.8249

■ 29.3194, 40.7052,
27.9290

■ 18.6899, 35.6212,
9.5550

■ 33.2439, 42.5999,
33.9134

■ 18.0411, 35.3228,
7.8920

■ 37.8526, 44.8293,
40.7520

■ 17.8481, 35.2347,
7.3724

■ 43.1764, 47.4083,
48.4765

■ 49.2441, 50.3514,
57.1171

■ 56.0831, 53.6719,
66.7025

■ 63.7191, 57.3826,
77.2601

■ 72.1769, 61.4958,
88.8163

Harmonies

Analogous

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



29.0662, 37.8512, 10.2337



23.3875, 37.8512, 18.3853



21.0963, 37.8512, 36.7891

Triad

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



23.3875, 37.8512, 18.3853



34.3964, 37.8512, 114.9126



54.5140, 37.8512, 23.4319

Complementary

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



23.3875, 37.8512, 18.3853



30.2431, 19.2643, 38.6844

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.



56.5912, 37.8512, 45.9792



23.3875, 37.8512, 18.3853



43.9033, 37.8512, 106.3144

Square

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



23.3875, 37.8512, 18.3853



26.7226, 37.8512, 97.9073



52.4255, 37.8512, 77.8040



47.1524, 37.8512, 12.1575

Rectangle

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



23.3875, 37.8512, 18.3853



21.4573, 37.8512, 55.5250



52.4255, 37.8512, 77.8040



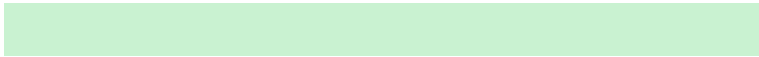
55.9010, 37.8512, 29.6003

Sweetspot

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



23.3884, 37.8528, 18.3862



67.3903, 80.6633, 72.0746



35.3740, 44.1270, 14.6357



14.4549, 17.5768, 15.3035



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.



23.3884, 37.8528, 18.3862



37.9226, 66.4732, 25.4689



26.6526, 39.1584, 35.5750



8.9556, 10.0862, 9.9235



12.0278, 23.7120, 5.0681



0.4445, 0.8441, 0.2867

Inverse Universe

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



30.2431, 19.2643, 38.6844



51.5273, 29.4340, 65.6476



26.4593, 17.7508, 18.7592



9.3086, 9.1338, 10.9727



17.4626, 8.5588, 20.8549



0.6342, 0.3091, 0.8329

Previews

White Background



This preview shows how the XYZ color 23.3875, 37.8512, 18.3853 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 23.3875, 37.8512, 18.3853 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 23.3875, 37.8512, 18.3853

Background



This preview shows how black text looks on a background with the XYZ color 23.3875, 37.8512, 18.3853.



This preview shows how white text looks on a background with the XYZ color 23.3875, 37.8512,

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

23.3875, 37.8512, 18.3853

Protanopia

34.0736, 37.0445, 15.7104

Deuteranopia

37.7897, 37.0670, 19.3503



Tritanopia

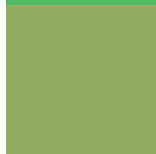
30.5285, 37.7114, 54.3852

Trichromacy



Original Color

23.3875, 37.8512, 18.3853



Protanomaly

28.3654, 36.2789, 16.5738



Deuteranomaly

30.0700, 35.9937, 18.7272



Tritanomaly

27.3167, 37.5979, 38.1651

Monochromacy



Original Color

23.3875, 37.8512, 18.3853



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.5593, 30.8642, 25.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3875, 37.8512, 18.3853 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(82, 186, 101)` looks like.

```
.text, #text, p{  
    color:rgb(82, 186, 101)  
}
```

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(82, 186, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 186, 101) }
```

Border

The CSS property to change the border of an element to XYZ 23.3875, 37.8512, 18.3853 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(82, 186, 101) }
```


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

```
.border{ border-color:rgb(82, 186, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 186, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 186, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 186, 101);  
box-shadow:4px 4px 4px 4px rgb(82, 186,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3875, 37.8512, 18.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 186, 101) }
```

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

```
.background{ background-color: rgb(82, 186,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor