

Converting Colors

XYZ(23.2484, 36.9856, 19.0769)

Have a look what the booklet for
XYZ(23.2484, 36.9856, 19.0769)
contains.

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Color

**XYZ(23.2953, 37.1653,
19.0425)**

Conversions

Conversions Part 1

Format	Color
Hex	54B868
RGB	84, 184, 104
RGB Percent	33%, 72%, 41%
CMY	0.6706, 0.2784, 0.5921
CMYK	0.54, 0.00, 0.43, 0.28
HSL	132°, 41%, 53%
HSV	132°, 54%, 72%
XYZ	23.2953, 37.1653, 19.0425
YIQ	144.9800, -33.9200, -46.0800

Conversions

Conversions Part 2

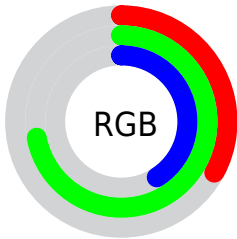
Format	Color
RYB	84, 167, 184
Decimal	5552232
CIELab	67.40, -46.58, 31.95
CIElCh	67, 56.485, 145.554
Yxy	37.1653, 0.2930, 0.4675
Android (android.graphics.Color)	4283742312 (0xFF54B868)
YUV	144.9800, -20.2031, -53.4795
Hunter-Lab	60.9633, -38.4775, 24.1545

Details

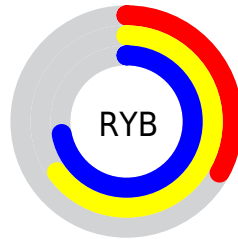
The XYZ color **23.2953, 37.1653, 19.0425** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.6394, 19.2119, 37.2690**, and the grayscale version is **26.9956, 28.4015, 30.9292**.

A 20% lighter version of the original color is **48.4406, 70.9736, 42.5987**, and **8.8692, 16.3427, 6.3014** is the 20% darker color. If you saturate the color by 10%, you get **21.1762, 36.1529, 15.3755**, and if you desaturate by 10%, it is **25.9794, 38.4560, 23.4189**.

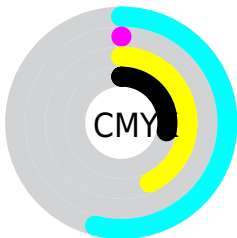
Distribution



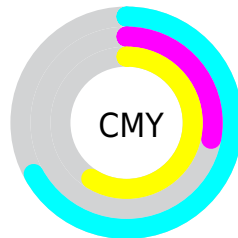
- Red (33%)
- Green (72%)
- Blue (41%)



- Red (33%)
- Yellow (65%)
- Blue (72%)



- Cyan (54%)
- Magenta (0%)
- Yellow (43%)
- Black (28%)



- Cyan (67%)
- Magenta (28%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2953, 37.1653, 19.0425 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 23.2953, 37.1653, 19.0425 by changing the saturation by 10% instead.

■ 23.2953, 37.1653,
19.0425

■ 23.2953, 37.1653,
19.0425

261.7452,
334.0256, 259.1138

■ 14.9336, 25.3355,
11.5239

■ 48.3409, 70.8269,
42.6436

■ 8.8588, 16.3272,
6.3018

■ 65.7554, 93.4276,
59.5631

■ 4.7056, 9.7560,
2.9577

■ 86.9183, 120.3873,
80.4533

■ 2.1085, 5.2375,
1.0731

■ 112.1949,
152.0904, 105.7327

■ 0.6938, 2.3873,
0.0000

141.9505,
188.9215, 135.8200

■ 0.0000, 0.8193,
0.0000

176.5505,

■ 0.0000, 0.0000,

231.2647, 171.1335

0.0000

216.3603,
279.5047, 212.0920

■ 23.2953, 37.1653,
19.0425

■ 23.2953, 37.1653,
19.0425

■ 21.1762, 36.1529,
15.3755

■ 25.9794, 38.4560,
23.4189

■ 19.5778, 35.3936,
12.3780

■ 29.2628, 40.0388,
28.5368

■ 18.4537, 34.8654,
10.0101

■ 33.1806, 41.9321,
34.4293

■ 17.7474, 34.5400,
8.2264

■ 37.7639, 44.1514,
41.1269

■ 17.4721, 34.4148,
7.4559

■ 43.0423, 46.7113,
48.6582

■ 49.0431, 49.6253,
57.0506

■ 55.7924, 52.9063,
66.3303

■ 63.3150, 56.5665,
76.5221

■ 71.6343, 60.6176,
87.6502

Harmonies

Analogous

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



28.6176, 37.1653, 10.8895



23.2953, 37.1653, 19.0425



21.1882, 37.1653, 36.8816

Triad

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



23.2953, 37.1653, 19.0425



34.0494, 37.1653, 109.0618



52.5770, 37.1653, 23.1846

Complementary

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



23.2953, 37.1653, 19.0425



29.6394, 19.2119, 37.2690

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.



54.6621, 37.1653, 44.2769



23.2953, 37.1653, 19.0425



43.0051, 37.1653, 100.5376

Square

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



23.2953, 37.1653, 19.0425



26.7184, 37.1653, 93.9081



50.9123, 37.1653, 73.8772



45.6047, 37.1653, 12.5041

Rectangle

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



23.2953, 37.1653, 19.0425



21.5888, 37.1653, 54.6485



50.9123, 37.1653, 73.8772



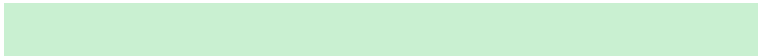
53.9167, 37.1653, 28.9788

Sweetspot

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



23.2962, 37.1668, 19.0433



66.7639, 79.2139, 72.1048



34.0519, 42.8154, 14.8571



14.0167, 16.8946, 14.9974



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.2962, 37.1668, 19.0433



37.8164, 65.2628, 26.8409



26.6304, 38.5005, 36.6008



8.9618, 10.0887, 9.9564



12.0619, 23.7257, 5.2478



0.4472, 0.8452, 0.3007

Inverse Universe

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



29.6394, 19.2119, 37.2690



50.4470, 29.3777, 63.0334



25.9757, 17.7465, 17.9763



9.3019, 9.1311, 10.9370



17.2893, 8.4895, 19.9419



0.6294, 0.3072, 0.8076

Previews

White Background



This preview shows how the XYZ color 23.2953, 37.1653, 19.0425 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 23.2953, 37.1653, 19.0425 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 23.2953, 37.1653, 19.0425

Background



This preview shows how black text looks on a background with the XYZ color 23.2953, 37.1653, 19.0425.



This preview shows how white text looks on a background with the XYZ color 23.2953, 37.1653,

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

23.2953, 37.1653, 19.0425

Protanopia

33.7989, 36.6226, 16.3538

Deuteranopia

37.2634, 36.5267, 20.1253



Tritanopia

30.0389, 36.9062, 53.1173

Trichromacy



Original Color

23.2953, 37.1653, 19.0425



Protanomaly

28.3166, 35.9560, 17.2521



Deuteranomaly

29.8606, 35.3237, 19.4317



Tritanomaly

26.9360, 36.8165, 37.5849

Monochromacy



Original Color

23.2953, 37.1653, 19.0425



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.5958, 30.6189, 25.7328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2953, 37.1653, 19.0425 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(84, 184, 104)` looks like.

```
.text, #text, p{  
    color:rgb(84, 184, 104)  
}
```

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(84, 184, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 184, 104) }
```

Border

The CSS property to change the border of an element to XYZ 23.2953, 37.1653, 19.0425 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(84, 184, 104) }
```


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

```
.border{ border-color:rgb(84, 184, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 184, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 184, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 184, 104);  
box-shadow:4px 4px 4px 4px rgb(84, 184,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2953, 37.1653, 19.0425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 184, 104) }
```

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

```
.background{ background-color: rgb(84, 184,  
104) }
```

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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