

Converting Colors

XYZ(23.6073, 36.9161, 9.8575)

Have a look what the booklet for
XYZ(23.6073, 36.9161, 9.8575)
contains.

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Color

**XYZ(23.5551, 36.8872,
9.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB63A
RGB	107, 182, 58
RGB Percent	42%, 71%, 23%
CMY	0.5804, 0.2863, 0.7725
CMYK	0.41, 0.00, 0.68, 0.29
HSL	96°, 52%, 47%
HSV	96°, 68%, 71%
XYZ	23.5551, 36.8872, 9.8814
YIQ	145.4390, -4.8960, -54.4640

Conversions

Conversions Part 2

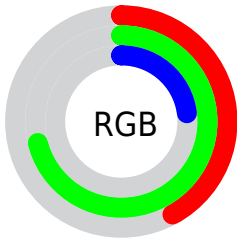
Format	Color
RYB	58, 182, 133
Decimal	7059002
CIELab	67.19, -44.52, 53.56
CIELCh	67, 69.647, 129.737
Yxy	36.8872, 0.3350, 0.5245
Android (android.graphics.Color)	4285249082 (0xFF6BB63A)
YUV	145.4390, -43.1074, -33.7110
Hunter-Lab	60.7348, -37.0574, 32.8681

Details

The XYZ color **23.5551, 36.8872, 9.8814** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19.6312, 11.3912, 45.4221**, and the grayscale version is **27.2650, 28.6849, 31.2379**.

A 20% lighter version of the original color is **48.5480, 70.0833, 26.0076**, and **9.0346, 16.1165, 2.6346** is the 20% darker color. If you saturate the color by 10%, you get **21.9314, 36.0956, 7.8012**, and if you desaturate by 10%, it is **25.5128, 37.8343, 12.8328**.

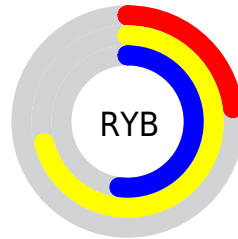
Distribution



Red (42%)

Green (71%)

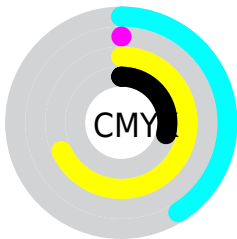
Blue (23%)



Red (23%)

Yellow (71%)

Blue (52%)

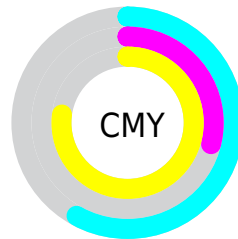


Cyan (41%)

Magenta (0%)

Yellow (68%)

Black (29%)



Cyan (58%)


Magenta (29%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5551, 36.8872, 9.8814 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 23.5551, 36.8872, 9.8814 by changing the saturation by 10% instead.


 23.5551, 36.8872,
9.8814


 23.5551, 36.8872,
9.8814


263.0458,
332.8219, 200.2775


 15.1269, 25.1202,
5.2158


 48.7632, 70.3993,
26.1765


 8.9954, 16.1666,
2.3135


 66.2738, 92.9131,
38.6431

 4.7952, 9.6421,
0.7388


 87.5425, 119.7780,
54.5471

 2.1611, 5.1623,
0.0000

 112.9347,
151.3783, 74.3071

 0.7221, 2.3428,
0.0000

 142.8158,
188.0984, 98.3416

 0.0000, 0.7962,
0.0000

177.5511,

 0.0000, 0.0000,

230.3228, 127.0691

0.0000

217.5060,
278.4359, 160.9082

■ 23.5551, 36.8872,
9.8814

■ 23.5551, 36.8872,
9.8814

■ 21.9314, 36.0956,
7.8012

■ 25.5128, 37.8343,
12.8328

■ 20.6145, 35.4443,
6.4941

■ 27.8233, 38.9414,
16.7351

■ 19.5694, 34.9197,
5.8065

■ 30.5069, 40.2186,
21.6615

■ 19.3949, 34.8319,
5.7010

■ 33.5814, 41.6736,
27.6775

■ 37.0633, 43.3136,
34.8430

■ 40.9682, 45.1454,
43.2138

■ 45.3107, 47.1754,
52.8418

■ 50.1047, 49.4098,
63.7760

■ 55.3634, 51.8542,
76.0627

Harmonies

Analogous

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



31.7174, 36.8872, 5.6940



23.5551, 36.8872, 9.8814



19.1754, 36.8872, 23.1177

Triad

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



23.5551, 36.8872, 9.8814



28.4503, 36.8872, 123.8475



59.2950, 36.8872, 31.0592

Complementary

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



23.5551, 36.8872, 9.8814



19.6312, 11.3912, 45.4221

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.



57.9288, 36.8872, 64.0250



23.5551, 36.8872, 9.8814



38.6300, 36.8872, 129.8265

Square

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



23.5551, 36.8872, 9.8814



21.5802, 36.8872, 90.3760



49.8082, 36.8872, 104.0451



53.2329, 36.8872, 13.1709

Rectangle

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



23.5551, 36.8872, 9.8814



18.3424, 36.8872, 39.8960



49.8082, 36.8872, 104.0451



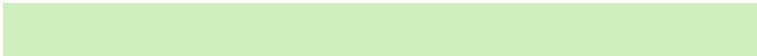
59.7135, 36.8872, 40.4330

Sweetspot

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



23.5560, 36.8888, 9.8822



65.7336, 77.8376, 60.1145



28.3622, 26.8633, 7.6938



14.1213, 17.0049, 12.4550



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.



23.5560, 36.8888, 9.8822



38.4381, 64.7866, 12.7347



19.5921, 34.8044, 11.5467



9.2171, 10.2286, 9.5954



13.7662, 24.6330, 4.0291



0.5556, 0.9046, 0.1453

Inverse Universe

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



19.6312, 11.3912, 45.4221



30.7201, 15.3340, 81.5763



28.0238, 15.8593, 39.4181



9.0282, 8.9809, 11.3371



10.5877, 4.7694, 31.6156



0.4408, 0.2029, 1.1177

Previews

White Background



This preview shows how the XYZ color 23.5551, 36.8872, 9.8814 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 23.5551, 36.8872, 9.8814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

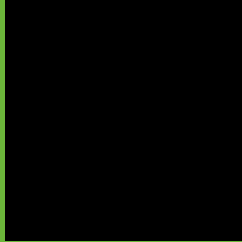
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5551, 36.8872, 9.8814

Background



This preview shows how black text looks on a background with the XYZ color 23.5551, 36.8872, 9.8814.



This preview shows how white text looks on a background with the XYZ color 23.5551, 36.8872,

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

23.5551, 36.8872, 9.8814

Protanopia

33.0312, 36.3965, 8.6525

Deuteranopia

37.0916, 36.4045, 10.3820



Tritanopia

31.7789, 36.7222, 50.7606

Trichromacy



Original Color

23.5551, 36.8872, 9.8814

Protanomaly

28.5819, 35.9938, 9.0555

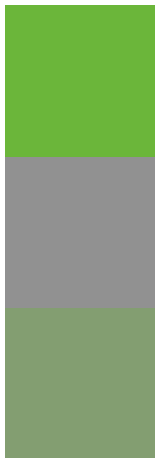
Deuteranomaly

30.3169, 35.4959, 10.1040

Tritanomaly

27.4692, 36.1002, 29.5650

Monochromacy



Original Color

23.5551, 36.8872, 9.8814

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.5676, 30.4713, 20.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5551, 36.8872, 9.8814 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(107, 182, 58)` looks like.

```
.text, #text, p{  
    color:rgb(107, 182, 58)  
}
```

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(107, 182, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 182, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.5551, 36.8872, 9.8814 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(107, 182, 58) }
```


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

```
.border{ border-color:rgb(107, 182, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 182, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 182, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 182, 58);  
box-shadow:4px 4px 4px 4px rgb(107, 182,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5551, 36.8872, 9.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 182, 58) }
```

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

```
.background{ background-color: rgb(107,  
182, 58) }
```

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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