

Converting Colors

XYZ(23.1857, 36.4554, 17.3760)

Have a look what the booklet for
XYZ(23.1857, 36.4554, 17.3760)
contains.

XYZ(23.2469, 36.5619, 17.3872)	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(23.2469, 36.5619,
17.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB662
RGB	91, 182, 98
RGB Percent	36%, 71%, 38%
CMY	0.6431, 0.2863, 0.6157
CMYK	0.50, 0.00, 0.46, 0.29
HSL	125°, 38%, 54%
HSV	125°, 50%, 71%
XYZ	23.2469, 36.5619, 17.3872
YIQ	145.2150, -27.2720, -45.4160

Conversions

Conversions Part 2

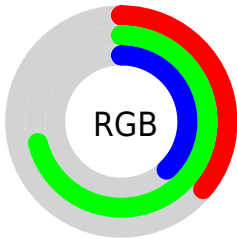
Format	Color
RYB	91, 176, 182
Decimal	6010466
CIELab	66.95, -44.84, 34.51
CIELCh	67, 56.581, 142.421
Yxy	36.5619, 0.3011, 0.4736
Android (android.graphics.Color)	4284200546 (0xFF5BB662)
YUV	145.2150, -23.2770, -47.5466
Hunter-Lab	60.4664, -37.1902, 25.2776

Details

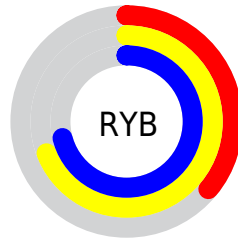
The XYZ color **23.2469, 36.5619, 17.3872** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.7714, 20.5229, 42.8977**, and the grayscale version is **27.1015, 28.5129, 31.0505**.

A 20% lighter version of the original color is **48.4041, 70.1381, 39.8410**, and **8.8090, 15.9361, 5.5174** is the 20% darker color. If you saturate the color by 10%, you get **20.9540, 35.4632, 13.5651**, and if you desaturate by 10%, it is **26.1432, 37.9546, 22.1082**.

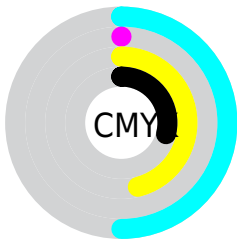
Distribution



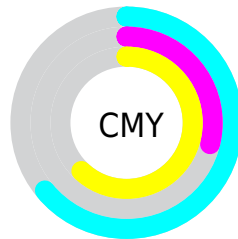
- Red (36%)
- Green (71%)
- Blue (38%)



- Red (36%)
- Yellow (69%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)





- Cyan (64%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2469, 36.5619, 17.3872 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 23.2469, 36.5619, 17.3872 by changing the saturation by 10% instead.


 23.2469, 36.5619,
17.3872


 23.2469, 36.5619,
17.3872

261.5023,
331.4099, 249.5130


 14.8976, 24.8685,
10.3461


 48.2621, 69.8985,
39.7901


 8.8334, 15.9791,
5.5204


 65.6587, 92.3104,
55.9889

 4.6889, 9.5094,
2.4917


 86.8018, 119.0640,
76.0773

 2.0988, 5.0749,
0.8358

 112.0568,
150.5435, 100.4739

 0.6886, 2.2913,
0.0000

141.7890,
187.1335, 129.5972

 0.0000, 0.7691,
0.0000

176.3637,

 0.0000, 0.0000,

229.2183, 163.8658

0.0000

216.1464,
277.1823, 203.6982

■ 23.2469, 36.5619,
17.3872

■ 23.2469, 36.5619,
17.3872

■ 20.9540, 35.4632,
13.5651

■ 26.1432, 37.9546,
22.1082

■ 19.2193, 34.6331,
10.5826

■ 29.6786, 39.6553,
27.7774

■ 17.9956, 34.0498,
8.3773

■ 33.8892, 41.6828,
34.4436

■ 17.2266, 33.6858,
6.8768

■ 38.8076, 44.0528,
42.1515

■ 16.8080, 33.4891,
5.9938

■ 44.4643, 46.7802,
50.9431

■ 50.8880, 49.8790,
60.8579

■ 58.1060, 53.3623,
71.9338

■ 66.1440, 57.2427,
84.2064

■ 75.0268, 61.5323,
97.7103

Harmonies

Analogous

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



28.8304, 36.5619, 10.1580



23.2469, 36.5619, 17.3872



20.8279, 36.5619, 33.8973

Triad

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



23.2469, 36.5619, 17.3872



32.6201, 36.5619, 107.4185



52.3424, 36.5619, 24.3704

Complementary

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



23.2469, 36.5619, 17.3872



30.7714, 20.5229, 42.8977

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.



53.8053, 36.5619, 46.3725



23.2469, 36.5619, 17.3872



41.4313, 36.5619, 101.4111

Square

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



23.2469, 36.5619, 17.3872



25.6291, 36.5619, 90.2256



49.5349, 36.5619, 76.1378



45.8151, 36.5619, 12.8770

Rectangle

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



23.2469, 36.5619, 17.3872



21.0004, 36.5619, 50.8627



49.5349, 36.5619, 76.1378



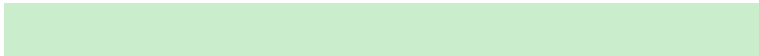
53.4820, 36.5619, 30.4866

Sweetspot

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



23.2478, 36.5634, 17.3880



65.5074, 77.5277, 68.8365



36.5072, 43.4355, 16.3573



14.0626, 16.9279, 14.5668



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.



23.2478, 36.5634, 17.3880



37.6240, 64.1173, 23.9764



25.9684, 37.6517, 31.7145



8.9176, 10.0710, 9.7237



11.8793, 23.6527, 4.2861



0.4283, 0.8376, 0.2011

Inverse Universe

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



30.7714, 20.5229, 42.8977



52.8099, 31.6916, 75.4304



27.0919, 19.0511, 23.5218



9.3503, 9.1505, 11.1921



18.6255, 9.0239, 26.9782



0.6655, 0.3217, 0.9980

Previews

White Background



This preview shows how the XYZ color 23.2469, 36.5619, 17.3872 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 23.2469, 36.5619, 17.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

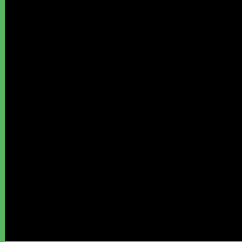
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2469, 36.5619, 17.3872

Background



This preview shows how black text looks on a background with the XYZ color 23.2469, 36.5619, 17.3872.



This preview shows how white text looks on a background with the XYZ color 23.2469, 36.5619,

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

23.2469, 36.5619, 17.3872

Protanopia

33.1688, 36.0610, 15.1098

Deuteranopia

36.7768, 36.0647, 18.3874



Tritanopia

30.1710, 36.4297, 51.8958

Trichromacy



Original Color

23.2469, 36.5619, 17.3872

Protanomaly

28.0624, 35.2951, 15.9233

Deuteranomaly

29.7580, 35.0377, 17.7649

Tritanomaly

27.0670, 36.3268, 36.1570

Monochromacy



Original Color

23.2469, 36.5619, 17.3872

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.5806, 30.3722, 24.9890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2469, 36.5619, 17.3872 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(91, 182, 98)` looks like.

```
.text, #text, p{  
    color:rgb(91, 182, 98)  
}
```

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(91, 182, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 182, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.2469, 36.5619, 17.3872 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(91, 182, 98) }
```


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

```
.border{ border-color:rgb(91, 182, 98) }
```

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

Here you see how a box with a 4 pixel rgb(91, 182, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 182, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 182, 98);  
box-shadow:4px 4px 4px 4px rgb(91, 182,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2469, 36.5619, 17.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 182, 98) }
```

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

```
.background{ background-color: rgb(91, 182,  
98) }
```

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