

Converting Colors

XYZ(23.8484, 36.8139, 20.0362)

Have a look what the booklet for
XYZ(23.8484, 36.8139, 20.0362)
contains.

XYZ(23.8484, 36.8139, 20.0362)	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(23.8484, 36.8139,
20.0362)**

Conversions

Conversions Part 1

Format	Color
Hex	5CB66C
RGB	92, 182, 108
RGB Percent	36%, 71%, 42%
CMY	0.6392, 0.2863, 0.5765
CMYK	0.49, 0.00, 0.41, 0.29
HSL	131°, 38%, 54%
HSV	131°, 49%, 71%
XYZ	23.8484, 36.8139, 20.0362
YIQ	146.6540, -29.8860, -42.0940

Conversions

Conversions Part 2

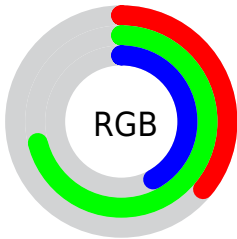
Format	Color
RYB	92, 168, 182
Decimal	6076012
CIELab	67.14, -42.99, 29.58
CIELCh	67, 52.182, 145.466
Yxy	36.8139, 0.2955, 0.4562
Android (android.graphics.Color)	4284266092 (0xFF5CB66C)
YUV	146.6540, -19.0564, -47.9316
Hunter-Lab	60.6745, -36.0200, 22.8931

Details

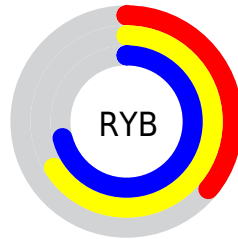
The XYZ color **23.8484, 36.8139, 20.0362** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **30.0027, 20.3534, 38.4252**, and the grayscale version is **27.6761, 29.1174, 31.7089**.

A 20% lighter version of the original color is **49.4244, 70.5670, 44.2736**, and **9.1358, 16.0774, 6.7594** is the 20% darker color. If you saturate the color by 10%, you get **21.5149, 35.6962, 16.1207**, and if you desaturate by 10%, it is **26.7573, 38.2145, 24.6939**.

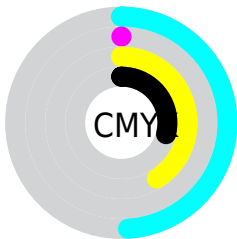
Distribution



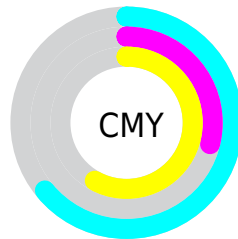
- Red (36%)
- Green (71%)
- Blue (42%)



- Red (36%)
- Yellow (66%)
- Blue (71%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (64%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8484, 36.8139, 20.0362 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 23.8484, 36.8139, 20.0362 by changing the saturation by 10% instead.

■ 23.8484, 36.8139,
20.0362

■ 23.8484, 36.8139,
20.0362

264.5079,
332.5041, 264.7217

■ 15.3453, 25.0634,
12.2370

■ 49.2392, 70.2865,
44.3376

■ 9.1500, 16.1243,
6.7808

■ 66.8576, 92.7774,
61.6770

■ 4.8970, 9.6122,
3.2490

■ 88.2452, 119.6172,
83.0334

■ 2.2211, 5.1426,
1.2232

■ 113.7673,
151.1903, 108.8256

■ 0.7538, 2.3312,
0.0000

143.7892,
187.8812, 139.4720

■ 0.0000, 0.7901,
0.0000

178.6764,

■ 0.0000, 0.0000,

230.0742, 175.3911

0.0000

218.7942,
278.1537, 217.0015

■ 23.8484, 36.8139,
20.0362

■ 23.8484, 36.8139,
20.0362

■ 21.5149, 35.6962,
16.1207

■ 26.7573, 38.2145,
24.6939

■ 19.7151, 34.8377,
12.9066

■ 30.2739, 39.9107,
30.1267

■ 18.4063, 34.2181,
10.3531


■ 34.4313, 41.9201,
36.3687


■ 17.5376, 33.8123,
8.4139


■ 39.2597, 44.2575,
43.4513


■ 17.0182, 33.5745,
7.0356


■ 44.7870, 46.9366,
51.4038

 16.9942, 33.5635,
6.9747

 51.0397, 49.9706,
60.2546

 58.0430, 53.3718,
70.0305

 65.8206, 57.1519,
80.7574

 74.0987, 61.1693,
92.4459

Harmonies

Analogous

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



28.8210, 36.8139, 12.1274



23.8484, 36.8139, 20.0362



21.8575, 36.8139, 36.7220

Triad

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



23.8484, 36.8139, 20.0362



33.7960, 36.8139, 101.4776



50.6850, 36.8139, 24.0536

Complementary

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



23.8484, 36.8139, 20.0362



30.0027, 20.3534, 38.4252

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.



52.5475, 36.8139, 43.6453



23.8484, 36.8139, 20.0362



41.9831, 36.8139, 94.0219

Square

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



23.8484, 36.8139, 20.0362



27.0207, 36.8139, 88.0438



49.1537, 36.8139, 70.3754



44.3910, 36.8139, 13.7549

Rectangle

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



23.8484, 36.8139, 20.0362



22.2291, 36.8139, 52.9279



49.1537, 36.8139, 70.3754



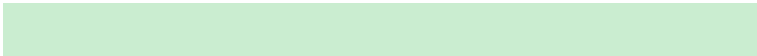
51.8871, 36.8139, 29.5068

Sweetspot

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



23.8493, 36.8154, 20.0370



65.9436, 77.7022, 71.1334



34.5975, 42.4458, 16.4950



14.1692, 16.9705, 15.1284



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.



23.8493, 36.8154, 20.0370



38.8015, 64.6172, 28.8741



26.8102, 37.9998, 35.6286



8.9538, 10.0855, 9.9141



12.0186, 23.7084, 5.0197



0.4438, 0.8438, 0.2827

Inverse Universe

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



30.0027, 20.3534, 38.4252



51.1898, 31.3900, 65.8307



26.6325, 19.0053, 20.6778



9.3106, 9.1346, 10.9828



17.5129, 8.5789, 21.1193



0.6355, 0.3097, 0.8402

Previews

White Background



This preview shows how the XYZ color 23.8484, 36.8139, 20.0362 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 23.8484, 36.8139, 20.0362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

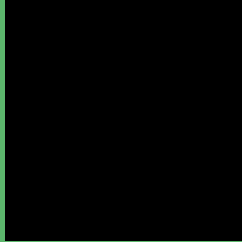
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8484, 36.8139, 20.0362

Background



This preview shows how black text looks on a background with the XYZ color 23.8484, 36.8139, 20.0362.



This preview shows how white text looks on a background with the XYZ color 23.8484, 36.8139,

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

23.8484, 36.8139, 20.0362

Protanopia

33.3520, 36.1079, 17.2683

Deuteranopia

36.7509, 35.9951, 20.9303



Tritanopia

30.3436, 36.7900, 52.5156

Trichromacy



Original Color

23.8484, 36.8139, 20.0362

Protanomaly

28.4902, 35.4662, 18.1760

Deuteranomaly

30.0901, 35.1480, 20.5276

Tritanomaly

27.2904, 36.4029, 37.9358

Monochromacy



Original Color

23.8484, 36.8139, 20.0362

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

25.5568, 31.3471, 26.8939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8484, 36.8139, 20.0362 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(92, 182, 108)` looks like.

```
.text, #text, p{  
    color:rgb(92, 182, 108)  
}
```

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(92, 182, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 182, 108) }
```

Border

The CSS property to change the border of an element to XYZ 23.8484, 36.8139, 20.0362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

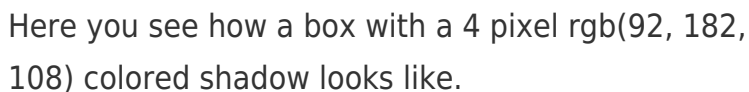
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 182, 108) }
```


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

```
.border{ border-color:rgb(92, 182, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 182, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 182, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 182, 108); box-shadow:4px 4px 4px 4px rgb(92, 182, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8484, 36.8139, 20.0362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 182, 108) }
```

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

```
.background{ background-color: rgb(92, 182,  
108) }
```

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