

Converting Colors

XYZ(23.4893, 33.8558, 17.6095)

Have a look what the booklet for
XYZ(23.4893, 33.8558, 17.6095)
contains.

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Color

**XYZ(23.4082, 33.6958,
17.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	6DAC65
RGB	109, 172, 101
RGB Percent	43%, 67%, 40%
CMY	0.5725, 0.3255, 0.6039
CMYK	0.37, 0.00, 0.41, 0.33
HSL	113°, 30%, 54%
HSV	113°, 41%, 67%
XYZ	23.4082, 33.6958, 17.5821
YIQ	145.0690, -14.7570, -35.4370

Conversions

Conversions Part 2

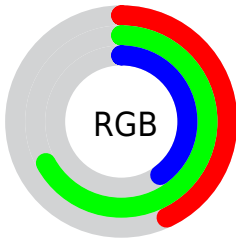
Format	Color
RYB	101, 172, 164
Decimal	7187557
CIELab	64.72, -34.52, 30.26
CIELCh	65, 45.909, 138.761
Yxy	33.6958, 0.3134, 0.4512
Android (android.graphics.Color)	4285377637 (0xFF6DAC65)
YUV	145.0690, -21.7260, -31.6325
Hunter-Lab	58.0481, -29.6031, 22.6754

Details

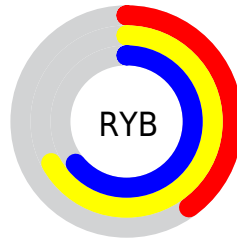
The XYZ color **23.4082, 33.6958, 17.5821** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.4112, 20.1794, 41.4817**, and the grayscale version is **27.0323, 28.4401, 30.9712**.

A 20% lighter version of the original color is **48.5974, 65.5732, 40.2325**, and **8.9268, 14.3206, 5.6618** is the 20% darker color. If you saturate the color by 10%, you get **20.9350, 32.5092, 13.5183**, and if you desaturate by 10%, it is **26.3856, 35.1239, 22.5916**.

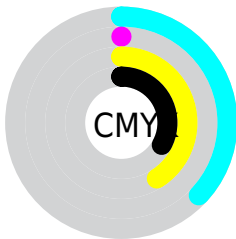
Distribution



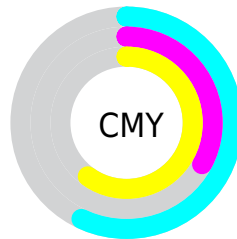
- Red (43%)
- Green (67%)
- Blue (40%)



- Red (40%)
- Yellow (67%)
- Blue (64%)



- Cyan (37%)
- Magenta (0%)
- Yellow (41%)
- Black (33%)





- Cyan (57%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4082, 33.6958, 17.5821 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 23.4082, 33.6958, 17.5821 by changing the saturation by 10% instead.


 23.4082, 33.6958,
17.5821


 23.4082, 33.6958,
17.5821


262.3111,
318.7735, 250.6614

 15.0176, 22.6600,
10.4840


 48.5245, 65.4603,
40.1282


 8.9181, 14.3427,
5.6113


 65.9808, 86.9579,
56.4133

 4.7445, 8.3594,
2.5453


 87.1898, 112.7114,
76.5979

 2.1313, 4.3258,
0.8640

 112.5167,
143.1054, 101.1005

 0.7062, 1.8574,
0.0000

142.3269,
178.5242, 130.3396

 0.0000, 0.5226,
0.0000

176.9858,

 0.0000, 0.0000,

219.3522, 164.7337

0.0000

216.8587,
265.9739, 204.7015

■ 23.4082, 33.6958,
17.5821

■ 23.4082, 33.6958,
17.5821

■ 20.9350, 32.5092,
13.5183

■ 26.3856, 35.1239,
22.5916

■ 18.9354, 31.5467,
10.3388

■ 29.8903, 36.8013,
28.5986

■ 17.3796, 30.7953,
7.9784


■ 33.9472, 38.7408,
35.6538


■ 16.2332, 30.2389,
6.3619


■ 38.5789, 40.9529,
43.8041


■ 15.4567, 29.8590,
5.4007


■ 43.8065, 43.4477,
53.0931

 15.0292, 29.6486,
4.9306

 49.6503, 46.2346,
63.5624

 56.1295, 49.3227,
75.2512

 63.2624, 52.7207,
88.1972

 70.9368, 56.3849,
101.7523

Harmonies

Analogous

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



28.1199, 33.6958, 11.9302



23.4082, 33.6958, 17.5821



21.1321, 33.6958, 30.0579

Triad

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



23.4082, 33.6958, 17.5821



29.6190, 33.6958, 85.0655



45.5932, 33.6958, 26.2065

Complementary

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



23.4082, 33.6958, 17.5821



27.4112, 20.1794, 41.4817

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.



46.1402, 33.6958, 44.2300



23.4082, 33.6958, 17.5821



36.2798, 33.6958, 82.9239

Square

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



23.4082, 33.6958, 17.5821



24.3756, 33.6958, 71.3241



42.5373, 33.6958, 66.2049



41.1319, 33.6958, 15.5990

Rectangle

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



23.4082, 33.6958, 17.5821



21.0600, 33.6958, 42.5019



42.5373, 33.6958, 66.2049



46.2617, 33.6958, 31.4318

Sweetspot

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



23.4090, 33.6972, 17.5828



60.8503, 69.9286, 63.3977



32.5884, 36.1614, 17.5747



13.0156, 15.0974, 13.4136



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.4090, 33.6972, 17.5828



38.1333, 59.0489, 24.7754



24.0309, 33.8374, 25.7625



7.9852, 8.9810, 8.5260



11.2086, 22.0753, 3.6702



0.3378, 0.6275, 0.1033

Inverse Universe

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



27.4112, 20.1794, 41.4817



46.4071, 30.9973, 74.3429



26.7622, 20.1165, 29.1740



8.2469, 8.1016, 10.0818



15.2933, 7.2438, 29.6367



0.4501, 0.2142, 0.8256

Previews

White Background



This preview shows how the XYZ color 23.4082, 33.6958, 17.5821 looks on a white background.

Color Contrast Check

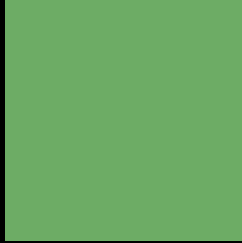
Large Text (above 18pt) WCAG AA × Fail

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 23.4082, 33.6958, 17.5821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

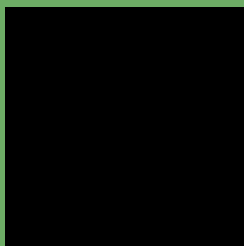
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4082, 33.6958, 17.5821

Background



This preview shows how black text looks on a background with the XYZ color 23.4082, 33.6958, 17.5821.



This preview shows how white text looks on a background with the XYZ color 23.4082, 33.6958,

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

23.4082, 33.6958, 17.5821

Protanopia

30.7486, 33.2611, 15.6259

Deuteranopia

33.8425, 33.1003, 18.2410



Tritanopia

29.1020, 33.5399, 46.0143

Trichromacy



Original Color

23.4082, 33.6958, 17.5821

Protanomaly

27.2907, 32.9996, 16.2405

Deuteranomaly

28.8537, 32.4843, 17.8461

Tritanomaly

26.5322, 33.2939, 33.4617

Monochromacy



Original Color

23.4082, 33.6958, 17.5821

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.1995, 29.9332, 25.2184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4082, 33.6958, 17.5821 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(109, 172, 101)` looks like.

```
.text, #text, p{  
    color:rgb(109, 172, 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(109, 172, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 172, 101) }
```

Border

The CSS property to change the border of an element to XYZ 23.4082, 33.6958, 17.5821 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(109, 172, 101) }
```


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

```
.border{ border-color:rgb(109, 172, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 172, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 172, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 172, 101);  
box-shadow:4px 4px 4px 4px rgb(109, 172,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4082, 33.6958, 17.5821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 172, 101) }
```

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

```
.background{ background-color: rgb(109,  
172, 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](#).

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