

Converting Colors

XYZ(22.8632, 36.8003, 22.4253)

Have a look what the booklet for
XYZ(22.8632, 36.8003, 22.4253)
contains.

XYZ(22.8914, 36.8815, 22.4353)	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(22.8914, 36.8815,
22.4353)**

Conversions

Conversions Part 1

Format	Color
Hex	47B874
RGB	71, 184, 116
RGB Percent	28%, 72%, 45%
CMY	0.7216, 0.2784, 0.5451
CMYK	0.61, 0.00, 0.37, 0.28
HSL	144°, 44%, 50%
HSV	144°, 61%, 72%
XYZ	22.8914, 36.8815, 22.4353
YIQ	142.4610, -45.5200, -45.1040

Conversions

Conversions Part 2

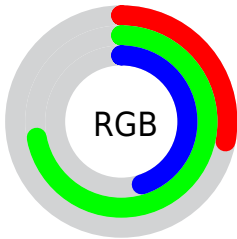
Format	Color
RYB	71, 152, 184
Decimal	4700276
CIELab	67.19, -47.48, 25.30
CIELCh	67, 53.802, 151.951
Yxy	36.8815, 0.2785, 0.4486
Android (android.graphics.Color)	4282890356 (0xFF47B874)
YUV	142.4610, -13.0453, -62.6713
Hunter-Lab	60.7301, -38.9946, 20.6078

Details

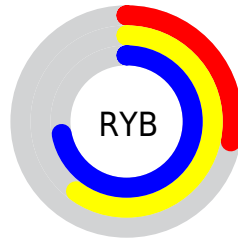
The XYZ color **22.8914, 36.8815, 22.4353** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **26.6818, 16.5617, 26.2179**, and the grayscale version is **25.9578, 27.3096, 29.7402**.

A 20% lighter version of the original color is **47.8226, 70.5210, 48.6275**, and **8.9958, 16.3705, 7.9959** is the 20% darker color. If you saturate the color by 10%, you get **21.1347, 36.0469, 19.1893**, and if you desaturate by 10%, it is **25.1354, 37.9604, 26.1065**.

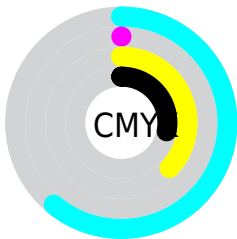
Distribution



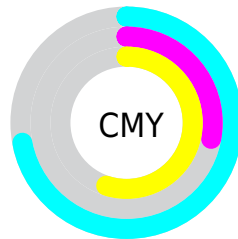
- Red (28%)
- Green (72%)
- Blue (45%)



- Red (28%)
- Yellow (60%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8914, 36.8815, 22.4353 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 22.8914, 36.8815, 22.4353 by changing the saturation by 10% instead.


 22.8914, 36.8815,
22.4353


 22.8914, 36.8815,
22.4353


259.7125,
332.7972, 277.8385


 14.6336, 25.1158,
13.9757


 47.6829, 70.3905,
48.3758


 8.6473, 16.1633,
7.9652


 64.9473, 92.9025,
66.6938


 4.5671, 9.6398,
3.9853


 85.9447, 119.7655,
89.1350

 2.0277, 5.1608,
1.6173

 111.0403,
151.3637, 116.1180

 0.6494, 2.3419,
0.3031

 140.5995,
188.0815, 148.0613

 0.0000, 0.7958,
0.0000

174.9877,

 0.0000, 0.0000,

230.3035, 185.3835

0.0000

214.5702,
278.4139, 228.5030

■ 22.8914, 36.8815,
22.4353

■ 22.8914, 36.8815,
22.4353

■ 21.1347, 36.0469,
19.1893

■ 25.1354, 37.9604,
26.1065

■ 19.8214, 35.4314,
16.3501

■ 27.8997, 39.2974,
30.2155

■ 18.9044, 35.0119,
13.9014

■ 31.2178, 40.9104,
34.7773

■ 18.3529, 34.7670,
12.0945

■ 35.1193, 42.8145,
39.8055

■ 39.6319, 45.0235,
45.3130

■ 44.7811, 47.5506,
51.3123

■ 50.5913, 50.4079,
57.8153

■ 57.0853, 53.6071,
64.8337

■ 64.2850, 57.1591,
72.3787

Harmonies

Analogous

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



27.3499, 36.8815, 12.7225



22.8914, 36.8815, 22.4353



21.5311, 36.8815, 41.7157

Triad

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



22.8914, 36.8815, 22.4353



35.5946, 36.8815, 104.3710



50.2207, 36.8815, 20.6761

Complementary

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



22.8914, 36.8815, 22.4353



26.6818, 16.5617, 26.2179

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.



53.3082, 36.8815, 38.6390



22.8914, 36.8815, 22.4353



44.0857, 36.8815, 92.0022

Square

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



22.8914, 36.8815, 22.4353



28.1460, 36.8815, 94.7015



50.9064, 36.8815, 65.3768



43.0106, 36.8815, 12.0210

Rectangle

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



22.8914, 36.8815, 22.4353



22.3615, 36.8815, 59.5300



50.9064, 36.8815, 65.3768



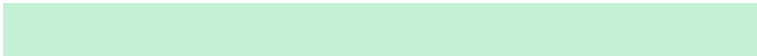
51.8216, 36.8815, 25.5228

Sweetspot

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



22.8924, 36.8830, 22.4361



66.0850, 78.7954, 75.1675



29.2098, 40.3725, 12.2148



13.7595, 16.7485, 15.5997



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.



22.8924, 36.8830, 22.4361



37.3094, 64.8706, 32.7300



27.0734, 38.5554, 44.4531



9.0345, 10.1178, 10.3392



12.6810, 23.9734, 8.5083



0.4778, 0.8574, 0.4621

Inverse Universe

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



26.6818, 16.5617, 26.2179



44.7410, 24.8201, 40.0002



23.6288, 15.3405, 10.1413



9.2254, 9.1005, 10.5342



15.6261, 7.8242, 11.1839



0.5805, 0.2877, 0.5503

Previews

White Background



This preview shows how the XYZ color 22.8914, 36.8815, 22.4353 looks on a white background.

Color Contrast Check

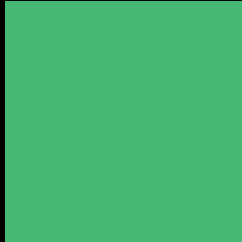
Large Text (above 18pt) WCAG AA × Fail

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 22.8914, 36.8815, 22.4353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

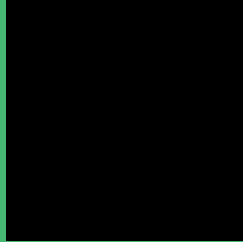
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.8914, 36.8815, 22.4353

Background



This preview shows how black text looks on a background with the XYZ color 22.8914, 36.8815, 22.4353.



This preview shows how white text looks on a background with the XYZ color 22.8914, 36.8815,

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

22.8914, 36.8815, 22.4353

Protanopia

33.4787, 36.1323, 19.1196

Deuteranopia

36.8872, 36.2584, 23.4668



Tritanopia

29.1314, 36.7138, 53.6952

Trichromacy



Original Color

22.8914, 36.8815, 22.4353



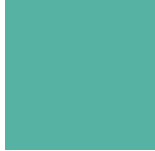
Protanomaly

27.6704, 35.2785, 20.1029



Deuteranomaly

29.0590, 34.8315, 22.9609



Tritanomaly

26.2797, 36.4279, 39.8286

Monochromacy



Original Color

22.8914, 36.8815, 22.4353



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.4931, 29.5204, 26.6501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8914, 36.8815, 22.4353 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(71, 184, 116)` looks like.

```
.text, #text, p{  
    color:rgb(71, 184, 116)  
}
```

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(71, 184, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 184, 116) }
```

Border

The CSS property to change the border of an element to XYZ 22.8914, 36.8815, 22.4353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

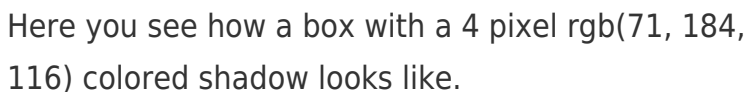
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 184, 116) }
```


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

```
.border{ border-color:rgb(71, 184, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 184, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(71, 184,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8914, 36.8815, 22.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 184, 116) }
```

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

```
.background{ background-color: rgb(71, 184,  
116) }
```

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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