

Converting Colors

XYZ(23.6723, 33.2735, 23.0460)

Have a look what the booklet for
XYZ(23.6723, 33.2735, 23.0460)
contains.

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Color

**XYZ(23.5906, 33.1088,
22.9166)**

Conversions

Conversions Part 1

Format	Color
Hex	69AA78
RGB	105, 170, 120
RGB Percent	41%, 67%, 47%
CMY	0.5882, 0.3333, 0.5294
CMYK	0.38, 0.00, 0.29, 0.33
HSL	134°, 28%, 54%
HSV	134°, 38%, 67%
XYZ	23.5906, 33.1088, 22.9166
YIQ	144.8650, -22.6900, -29.3300

Conversions

Conversions Part 2

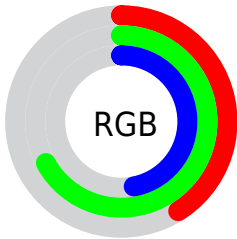
Format	Color
RYB	105, 158, 170
Decimal	6924920
CIELab	64.25, -31.68, 19.39
CIElCh	64, 37.143, 148.525
Yxy	33.1088, 0.2963, 0.4159
Android (android.graphics.Color)	4285115000 (0xFF69AA78)
YUV	144.8650, -12.2584, -34.9616
Hunter-Lab	57.5402, -27.5132, 16.6647

Details

The XYZ color **23.5906, 33.1088, 22.9166** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.5466, 21.0165, 33.6163**, and the grayscale version is **26.9143, 28.3160, 30.8361**.

A 20% lighter version of the original color is **49.0373, 64.7808, 49.4546**, and **8.9668, 13.9344, 8.1782** is the 20% darker color. If you saturate the color by 10%, you get **21.0498, 31.8854, 18.9342**, and if you desaturate by 10%, it is **26.6407, 34.5841, 27.4902**.

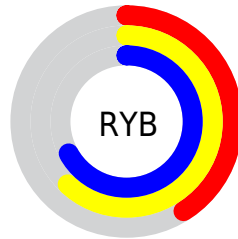
Distribution



Red (41%)

Green (67%)

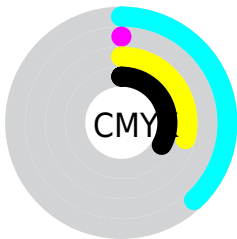
Blue (47%)



Red (41%)

Yellow (62%)

Blue (67%)

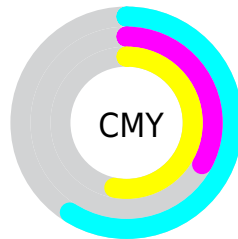


Cyan (38%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (59%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5906, 33.1088, 22.9166 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 23.5906, 33.1088, 22.9166 by changing the saturation by 10% instead.


 23.5906, 33.1088,
22.9166


 23.5906, 33.1088,
22.9166


263.2232,
316.1397, 280.4044


 15.1533, 22.2098,
14.3272


 48.8208, 64.5454,
49.1778


 9.0141, 14.0111,
8.2073


 66.3445, 85.8517,
67.6867

 4.8075, 8.1284,
4.1382


 87.6276, 111.3960,
90.3392

 2.1684, 4.1772,
1.7015

 113.0356,
141.5625, 117.5538

 0.7260, 1.7732,
0.3617

142.9338,
176.7358, 149.7491

 0.0000, 0.4704,
0.0000

177.6876,

 0.0000, 0.0000,

217.3001, 187.3436

0.0000

217.6622,
263.6400, 230.7558

■ 23.5906, 33.1088,
22.9166

■ 23.5906, 33.1088,
22.9166

■ 21.0498, 31.8854,
18.9342

■ 26.6407, 34.5841,
27.4902

■ 18.9875, 30.8958,
15.5165

■ 30.2236, 36.3201,
32.6753

■ 17.3733, 30.1257,
12.6386


■ 34.3644, 38.3302,
38.4944


■ 16.1724, 29.5577,
10.2727


■ 39.0857, 40.6258,
44.9677


■ 15.3443, 29.1716,
8.3883


■ 44.4092, 43.2174,
52.1149


 14.8226, 28.9340,
6.9510

 50.3551, 46.1153,
59.9547

 14.7454, 28.8988,
6.7405

 56.9429, 49.3290,
68.5050

 64.1910, 52.8677,
77.7832

 71.0034, 56.1660,
87.7540

Harmonies

Analogous

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



26.8718, 33.1088, 16.0848



23.5906, 33.1088, 22.9166



22.3837, 33.1088, 35.3079

Triad

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



23.5906, 33.1088, 22.9166



31.2088, 33.1088, 73.5587



41.2425, 33.1088, 23.8867

Complementary

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



23.5906, 33.1088, 22.9166



27.5466, 21.0165, 33.6163

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.



42.7298, 33.1088, 36.8021



23.5906, 33.1088, 22.9166



36.5626, 33.1088, 68.0479

Square

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



23.5906, 33.1088, 22.9166



26.4672, 33.1088, 66.9132



40.9309, 33.1088, 53.4325



37.0642, 33.1088, 16.5250

Rectangle

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



23.5906, 33.1088, 22.9166



22.8022, 33.1088, 46.0835



40.9309, 33.1088, 53.4325



42.0930, 33.1088, 27.5898

Sweetspot

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



23.5915, 33.1102, 22.9173



60.0133, 68.4091, 66.5900



30.6200, 36.8306, 18.8601



13.1597, 15.1470, 14.5369



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.



23.5915, 33.1102, 22.9173



38.7838, 58.1354, 35.3027



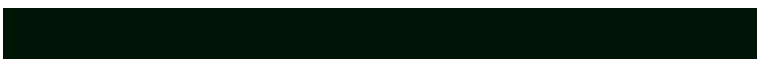
25.8348, 34.0075, 34.7308



7.5050, 8.4351, 8.3797



10.8649, 21.2647, 5.0552



0.2831, 0.5249, 0.2216

Inverse Universe

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



27.5466, 21.0165, 33.6163



46.9982, 32.9816, 57.4965



25.2314, 20.0904, 21.4245



7.7667, 7.6366, 9.0889



15.2188, 7.4962, 16.4956



0.3879, 0.1895, 0.4944

Previews

White Background



This preview shows how the XYZ color 23.5906, 33.1088, 22.9166 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 23.5906, 33.1088, 22.9166 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 23.5906, 33.1088, 22.9166

Background



This preview shows how black text looks on a background with the XYZ color 23.5906, 33.1088, 22.9166.



This preview shows how white text looks on a background with the XYZ color 23.5906, 33.1088,

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

23.5906, 33.1088, 22.9166

Protanopia

30.6383, 32.8504, 20.3487

Deuteranopia

33.2715, 32.6789, 23.9561



Tritanopia

28.2698, 33.1109, 45.9754

Trichromacy



Original Color

23.5906, 33.1088, 22.9166

Protanomaly

27.2248, 32.3319, 21.3288

Deuteranomaly

28.7690, 32.3163, 23.4603

Tritanomaly

26.4470, 33.1834, 36.4636

Monochromacy



Original Color

23.5906, 33.1088, 22.9166

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.2055, 29.6346, 27.6841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5906, 33.1088, 22.9166 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(105, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(105, 170, 120)  
}
```

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(105, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 170, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.5906, 33.1088, 22.9166 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(105, 170, 120) }
```


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

```
.border{ border-color:rgb(105, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(105, 170,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5906, 33.1088, 22.9166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 170, 120) }
```

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

```
.background{ background-color: rgb(105,  
170, 120) }
```

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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