

Converting Colors

XYZ(22.1944, 33.2739, 8.3400)

Have a look what the booklet for
XYZ(22.1944, 33.2739, 8.3400)
contains.

XYZ(22.1601, 33.2548, 8.3828)	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(22.1601, 33.2548,
8.3828)**

Conversions

Conversions Part 1

Format	Color
Hex	71AC33
RGB	113, 172, 51
RGB Percent	44%, 67%, 20%
CMY	0.5569, 0.3255, 0.8000
CMYK	0.34, 0.00, 0.70, 0.33
HSL	89°, 54%, 44%
HSV	89°, 70%, 67%
XYZ	22.1601, 33.2548, 8.3828
YIQ	140.5650, 3.6770, -50.1390

Conversions

Conversions Part 2

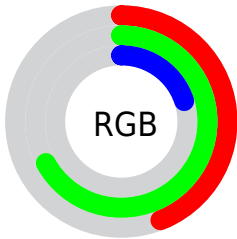
Format	Color
RYB	51, 172, 110
Decimal	7449651
CIELab	64.37, -38.67, 53.48
CIELCh	64, 65.997, 125.869
Yxy	33.2548, 0.3473, 0.5213
Android (android.graphics.Color)	4285639731 (0xFF71AC33)
YUV	140.5650, -44.1555, -24.1745
Hunter-Lab	57.6670, -32.3237, 31.7482

Details

The XYZ color **22.1601, 33.2548, 8.3828** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **15.0622, 8.6622, 39.9098**, and the grayscale version is **25.3142, 26.6325, 29.0028**.

A 20% lighter version of the original color is **46.6043, 64.9213, 23.1715**, and **8.3417, 14.0932, 2.2806** is the 20% darker color. If you saturate the color by 10%, you get **20.8194, 32.6007, 6.6938**, and if you desaturate by 10%, it is **23.7424, 34.0193, 10.8166**.

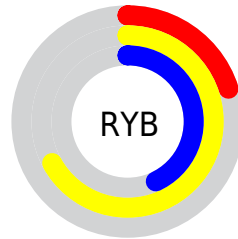
Distribution



Red (44%)

Green (67%)

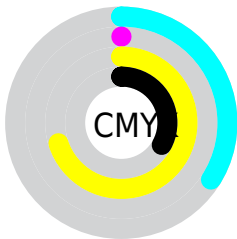
Blue (20%)



Red (20%)

Yellow (67%)

Blue (43%)

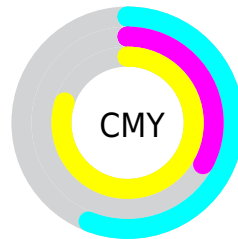


Cyan (34%)

Magenta (0%)

Yellow (70%)

Black (33%)



Cyan (56%)


Magenta (33%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1601, 33.2548, 8.3828 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 22.1601, 33.2548, 8.3828 by changing the saturation by 10% instead.


 22.1601, 33.2548,
8.3828


 22.1601, 33.2548,
8.3828

255.9979,
316.7963, 188.7497


 14.0918, 22.3217,
4.2496


 46.4873, 64.7731,
23.2640

 8.2667, 14.0935,
1.7632

 63.4771, 86.1272,
34.8490


 4.3193, 8.1857,
0.4035


 84.1713, 111.7236,
49.7551

 1.8843, 4.2140,
0.0000

 108.9354,
141.9469, 68.4007

 0.5677, 1.7940,
0.0000

 138.1348,
177.1814, 91.2045

 0.0000, 0.4834,
0.0000

 172.1348,

 0.0000, 0.0000,

217.8116, 118.5848

0.0000

211.3007,
264.2217, 150.9604

■ 22.1601, 33.2548,
8.3828

■ 22.1601, 33.2548,
8.3828

■ 20.8194, 32.6007,
6.6938

■ 23.7424, 34.0193,
10.8166

■ 19.6989, 32.0447,
5.6612

■ 25.5805, 34.8969,
14.0664

■ 18.7899, 31.5875,
5.1067

■ 27.6898, 35.8950,
18.1973

■ 30.0837, 37.0194,
23.2673

■ 32.7746, 38.2752,
29.3296

■ 35.7741, 39.6674,
36.4331

■ 39.0930, 41.2005,
44.6237

■ 42.7417, 42.8789,
53.9445

■ 46.7299, 44.7068,
64.4363

Harmonies

Analogous

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



29.7961, 33.2548, 5.2756



22.1601, 33.2548, 8.3828



17.8213, 33.2548, 18.9086

Triad

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



22.1601, 33.2548, 8.3828



24.7825, 33.2548, 106.9236



53.1994, 33.2548, 31.1715

Complementary

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



22.1601, 33.2548, 8.3828



15.0622, 8.6622, 39.9098

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.



51.1272, 33.2548, 61.7462



22.1601, 33.2548, 8.3828



33.4913, 33.2548, 115.9118

Square

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



22.1601, 33.2548, 8.3828



19.1121, 33.2548, 75.7717



43.4186, 33.2548, 96.3992



48.6236, 33.2548, 13.5668

Rectangle

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



22.1601, 33.2548, 8.3828



16.7962, 33.2548, 32.6085



43.4186, 33.2548, 96.3992



53.2670, 33.2548, 40.0649

Sweetspot

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



22.1609, 33.2563, 8.3835



58.9272, 69.1878, 51.9881



23.1325, 20.0517, 5.7836



12.5159, 14.9008, 10.6348



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.



22.1609, 33.2563, 8.3835



36.6715, 58.5978, 11.0391



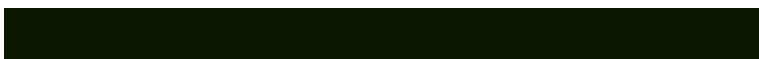
16.8202, 30.5030, 8.1336



8.2811, 9.1335, 8.5398



14.0457, 23.5379, 3.8030



0.4537, 0.6872, 0.1087

Inverse Universe

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



15.0622, 8.6622, 39.9098



23.0122, 11.2349, 71.7614



25.2056, 13.8913, 40.3845



7.9367, 7.9417, 10.0673



8.3168, 3.6473, 29.3102



0.2947, 0.1341, 0.8183

Previews

White Background



This preview shows how the XYZ color 22.1601, 33.2548, 8.3828 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 22.1601, 33.2548, 8.3828 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 22.1601, 33.2548, 8.3828

Background



This preview shows how black text looks on a background with the XYZ color 22.1601, 33.2548, 8.3828.



This preview shows how white text looks on a background with the XYZ color 22.1601, 33.2548,

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

22.1601, 33.2548, 8.3828

Protanopia

29.8571, 32.9808, 7.4816

Deuteranopia

33.3978, 32.8435, 8.8541



Tritanopia

29.4936, 33.2527, 44.3991

Trichromacy



Original Color

22.1601, 33.2548, 8.3828

Protanomaly

26.4027, 32.7295, 7.7222

Deuteranomaly

28.1053, 32.3019, 8.6245

Tritanomaly

25.7298, 32.7803, 25.7400

Monochromacy



Original Color

22.1601, 33.2548, 8.3828

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.2951, 28.3645, 18.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1601, 33.2548, 8.3828 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(113, 172, 51)` looks like.

```
.text, #text, p{  
    color:rgb(113, 172, 51)  
}
```

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(113, 172, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 172, 51) }
```

Border

The CSS property to change the border of an element to XYZ 22.1601, 33.2548, 8.3828 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(113, 172, 51) }
```


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

```
.border{ border-color:rgb(113, 172, 51) }
```

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

Here you see how a box with a 4 pixel rgb(113, 172, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 172, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 172, 51);  
box-shadow:4px 4px 4px 4px rgb(113, 172,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1601, 33.2548, 8.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 172, 51) }
```

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

```
.background{ background-color: rgb(113,  
172, 51) }
```

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