

Converting Colors

XYZ(48.4338, 25.7737, 8.5585)

Have a look what the booklet for
XYZ(48.4338, 25.7737, 8.5585)
contains.

XYZ(43.0406, 22.9896, 8.2998)	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(43.0406, 22.9896,
8.2998)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2448
RGB	255, 36, 72
RGB Percent	100%, 14%, 28%
CMY	0.0000, 0.8587, 0.7176
CMYK	0.00, 0.86, 0.72, 0.00
HSL	350°, 100%, 57%
HSV	350°, 86%, 100%
XYZ	43.0406, 22.9896, 8.2998
YIQ	105.5850, 118.9680, 57.6240

Conversions

Conversions Part 2

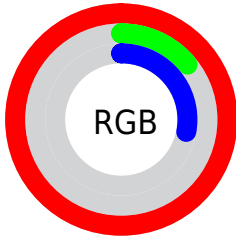
Format	Color
R_{YB}	255, 36, 72
Decimal	16720968
CIE _{Lab}	55.06, 77.66, 37.72
CIE _{LCh}	55, 86.333, 25.907
Yxy	22.9896, 0.5790, 0.3093
Android (android.graphics.Color)	4294911048 (0xFFFF2448)
YUV	105.5850, -16.5574, 131.0370
Hunter-Lab	47.9475, 76.3245, 23.3000

Details

The XYZ color **43.0406, 22.9896, 8.2998** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **49.2776, 77.0109, 79.3018**, and the grayscale version is **13.6104, 14.3192, 15.5936**.

A 20% lighter version of the original color is **49.9927, 33.3412, 21.5699**, and **21.2080, 10.9075, 2.1500** is the 20% darker color. If you saturate the color by 10%, you get **41.9448, 21.7248, 5.0788**, and if you desaturate by 10%, it is **44.9263, 25.4495, 12.9726**.

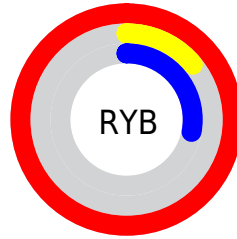
Distribution



Red (100%)

Green (14%)

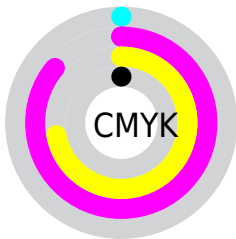
Blue (28%)



Red (100%)

Yellow (14%)

Blue (28%)

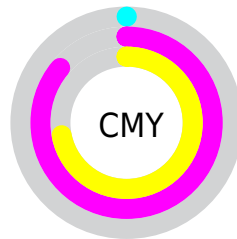


Cyan (0%)

Magenta (86%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0406, 22.9896, 8.2998 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 43.0406, 22.9896, 8.2998 by changing the saturation by 10% instead.


 43.0406, 22.9896,
8.2998


 43.0406, 22.9896,
8.2998


349.6974,
267.6716, 188.0865


 30.1116, 14.5858,
4.1969


 79.0275, 48.3763,
23.0999


 20.0718, 8.5292,
1.7340


 102.8160, 66.1279,
34.6342


 12.5558, 4.4354,
0.3838


 130.9552, 87.7643,
49.4826

 7.1983, 1.9200,
0.0000

 163.8104,
113.6699, 68.0638

 3.6339, 0.5604,
0.0000

 201.7468,
144.2290, 90.7962

 1.4972, 0.0000,
0.0000

245.1299,

 0.3239, 0.0000,

179.8261, 118.0984

0.0000

294.3249,
220.8455, 150.3890

■ 0.0000, 0.0000,
0.0000

■ 43.0406, 22.9896,
8.2998

■ 43.0406, 22.9896,
8.2998

■ 41.9448, 21.7248,
5.0788

■ 44.9263, 25.4495,
12.9726

■ 41.6558, 21.4263,
4.1207

■ 47.7227, 29.3094,
19.2477

■ 51.5311, 34.7400,
27.2567

■ 56.4383, 41.8865,
37.1172

■ 62.5218, 50.8775,
48.9363

69.8520, 61.8294,
62.8126

78.4936, 74.8486,
78.8384

88.5070, 90.0344,
97.1001

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



45.9472, 22.9896, 29.0023



43.0406, 22.9896, 8.2998



33.9304, 22.9896, 1.8081

Triad

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



43.0406, 22.9896, 8.2998



9.8436, 22.9896, 5.5435



20.5584, 22.9896, 123.6004

Complementary

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



43.0406, 22.9896, 8.2998



49.2776, 77.0109, 79.3018

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.



13.0441, 22.9896, 99.3973



43.0406, 22.9896, 8.2998



8.1171, 22.9896, 21.4413

Square

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



43.0406, 22.9896, 8.2998



14.7317, 22.9896, 1.2289



9.0887, 22.9896, 55.9987



30.9583, 22.9896, 109.1733

Rectangle

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



43.0406, 22.9896, 8.2998



26.6659, 22.9896, 0.7830



9.0887, 22.9896, 55.9987



17.6535, 22.9896, 119.4213

Sweetspot

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



43.0411, 22.9910, 8.3001



69.7509, 61.6774, 62.6228



47.7458, 23.4664, 96.6202



14.3562, 12.3424, 12.3259



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



43.0411, 22.9910, 8.3001



41.6560, 21.4264, 4.1208



47.0290, 32.3282, 5.4323



18.1311, 18.0357, 19.3074



21.8017, 11.2100, 2.3402



2.1555, 1.1046, 0.4005

Inverse Universe

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



43.0411, 22.9910, 8.3001



41.6560, 21.4264, 4.1208



35.5079, 41.0546, 100.6601



18.1311, 18.0357, 19.3074



21.8017, 11.2100, 2.3402



2.1555, 1.1046, 0.4005

Previews

White Background



This preview shows how the XYZ color 43.0406, 22.9896, 8.2998 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

XYZ 43.0406, 22.9896, 8.2998

Background



This preview shows how black text looks on a background with the XYZ color 43.0406, 22.9896, 8.2998.



This preview shows how white text looks on a background with the XYZ color 43.0406, 22.9896,

8.2998.

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

43.0406, 22.9896, 8.2998

Protanopia

21.7345, 23.1647, 16.4224

Deuteranopia

23.5601, 23.1300, 7.3605



Tritanopia

42.1372, 22.9587, 4.3084

Trichromacy



Original Color

43.0406, 22.9896, 8.2998

Protanomaly

25.4979, 19.2672, 12.5003

Deuteranomaly

27.8657, 20.0692, 7.2555

Tritanomaly

42.2517, 22.8363, 5.4298

Monochromacy



Original Color

43.0406, 22.9896, 8.2998

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

19.4600, 14.1666, 12.2984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0406, 22.9896, 8.2998 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(255, 36, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 72)  
}
```

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(255, 36, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 72) }
```

Border

The CSS property to change the border of an element to XYZ 43.0406, 22.9896, 8.2998 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(255, 36, 72) }
```


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

```
.border{ border-color:rgb(255, 36, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0406, 22.9896, 8.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 72) }
```

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

```
.background{ background-color: rgb(255, 36,  
72) }
```

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