

Converting Colors

XYZ(22.4444, 18.4277, 40.4366)

Have a look what the booklet for
XYZ(22.4444, 18.4277, 40.4366)
contains.

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Color

**XYZ(22.4014, 18.3612,
40.3936)**

Conversions

Conversions Part 1

Format	Color
Hex	876AAA
RGB	135, 106, 170
RGB Percent	53%, 42%, 67%
CMY	0.4706, 0.5843, 0.3333
CMYK	0.21, 0.38, 0.00, 0.33
HSL	267°, 27%, 54%
HSV	267°, 38%, 67%
XYZ	22.4014, 18.3612, 40.3936
YIQ	121.9670, -3.2600, 26.0520

Conversions

Conversions Part 2

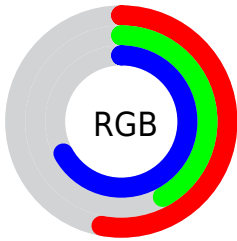
Format	Color
R_{YB}	135, 106, 170
Decimal	8874666
CIE _{Lab}	49.93, 24.66, -30.03
CIE _{LCh}	50, 38.863, 309.394
Yxy	18.3612, 0.2760, 0.2262
Android (android.graphics.Color)	4287064746 (0xFF876AAA)
YUV	121.9670, 23.6803, 11.4299
Hunter-Lab	42.8500, 18.3300, -25.8962

Details

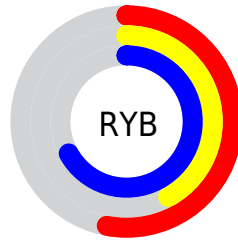
The XYZ color **22.4014, 18.3612, 40.3936** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.9612, 35.4532, 19.0058**, and the grayscale version is **18.4144, 19.3734, 21.0976**.

A 20% lighter version of the original color is **46.9406, 40.7635, 77.3456**, and **8.3801, 6.1953, 17.5838** is the 20% darker color. If you saturate the color by 10%, you get **19.3891, 14.4607, 39.7998**, and if you desaturate by 10%, it is **25.8929, 23.0251, 41.1101**.

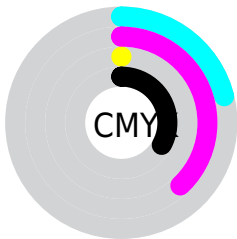
Distribution



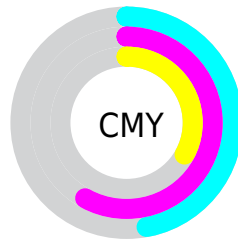
- Red (53%)
- Green (42%)
- Blue (67%)



- Red (53%)
- Yellow (42%)
- Blue (67%)



- Cyan (21%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (47%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4014, 18.3612, 40.3936 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 22.4014, 18.3612, 40.3936 by changing the saturation by 10% instead.

■ 22.4014, 18.3612,
40.3936

■ 22.4014, 18.3612,
40.3936

257.2285,
242.8991, 363.3811

■ 14.2704, 11.2096,
27.5294

■ 46.8825, 40.6518,
77.0061

■ 8.3919, 6.2080,
17.7353

■ 63.9632, 56.5597,
101.5916

■ 4.4006, 2.9720,
10.5926

■ 84.7580, 76.1551,
130.9212

■ 1.9312, 1.1171,
5.6829

■ 109.6320, 99.8224,
165.4136

■ 0.5949, 0.0000,
2.5876

138.9507,
127.9461, 205.4872

■ 0.0000, 0.0000,
0.8860

173.0795,

■ 0.0000, 0.0000,

160.9105, 251.5606

0.0000

212.3836,
199.1001, 304.0524

■ 22.4014, 18.3612,
40.3936

■ 22.4014, 18.3612,
40.3936

■ 19.3891, 14.4607,
39.7998

■ 25.8929, 23.0251,
41.1101

■ 16.8301, 11.2784,
39.3204

■ 29.8838, 28.4896,
41.9545

■ 14.6989, 8.7676,
38.9481

■ 34.3954, 34.7923,
42.9333

■ 12.9660, 6.8750,
38.6742

■ 39.4472, 41.9675,
44.0520

■ 11.5977, 5.5388,
38.4884

■ 45.0574, 50.0477,
45.3159

■ 10.5421, 4.6609,
38.3745

■ 51.2436, 59.0637,
46.7301

■ 10.3189, 4.4814,
38.3517

■ 58.0225, 69.0446,
48.2994

■ 65.4099, 80.0186,
50.0282

■ 72.1310, 89.4318,
51.4909

Harmonies

Analogous

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



18.6467, 18.3612, 47.8125



22.4014, 18.3612, 40.3936



25.0478, 18.3612, 28.1118

Triad

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



22.4014, 18.3612, 40.3936



20.0948, 18.3612, 6.2860



11.2983, 18.3612, 23.5293

Complementary

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



22.4014, 18.3612, 40.3936



27.9612, 35.4532, 19.0058

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.



11.5714, 18.3612, 13.6092



22.4014, 18.3612, 40.3936



16.3091, 18.3612, 5.8187

Square

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



22.4014, 18.3612, 40.3936



23.5901, 18.3612, 9.5983



13.2909, 18.3612, 7.9640



12.4829, 18.3612, 36.0332

Rectangle

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



22.4014, 18.3612, 40.3936



25.6346, 18.3612, 20.2099



13.2909, 18.3612, 7.9640



11.2269, 18.3612, 19.7761

Sweetspot

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



22.4020, 18.3619, 40.3940



59.3870, 58.8846, 77.2377



22.7545, 25.0758, 41.6714



13.0023, 12.7941, 17.1719



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.



22.4020, 18.3619, 40.3940



36.1166, 27.4325, 72.3933



28.3043, 21.4047, 40.6702



7.4426, 7.4608, 9.4661



7.6534, 3.3289, 28.2147



0.2456, 0.1116, 0.6892

Inverse Universe

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



26.5398, 20.7778, 27.8114



44.9372, 32.5882, 45.3146



23.3081, 33.0544, 18.7880



7.6963, 7.6084, 8.7178



13.6754, 6.8789, 8.3684



0.3580, 0.1775, 0.3368

Previews

White Background



This preview shows how the XYZ color 22.4014, 18.3612, 40.3936 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



This preview shows how the XYZ color 22.4014, 18.3612, 40.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

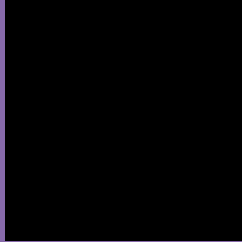
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4014, 18.3612, 40.3936

Background



This preview shows how black text looks on a background with the XYZ color 22.4014, 18.3612, 40.3936.



This preview shows how white text looks on a background with the XYZ color 22.4014, 18.3612,

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

22.4014, 18.3612, 40.3936

Protanopia

19.4277, 18.5186, 45.1983

Deuteranopia

18.9131, 18.5507, 39.6296



Tritanopia

18.5848, 18.2542, 21.9459

Trichromacy



Original Color

22.4014, 18.3612, 40.3936

Protanomaly

20.2971, 18.3244, 43.5415

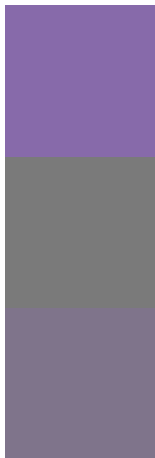
Deuteranomaly

19.9888, 18.4099, 40.0361

Tritanomaly

19.8078, 18.2573, 27.6793

Monochromacy



Original Color

22.4014, 18.3612, 40.3936

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6580, 18.8669, 27.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4014, 18.3612, 40.3936 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(135, 106, 170)` looks like.

```
.text, #text, p{  
    color:rgb(135, 106, 170)  
}
```

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(135, 106, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 106, 170) }
```

Border

The CSS property to change the border of an element to XYZ 22.4014, 18.3612, 40.3936 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(135, 106, 170) }
```


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

```
.border{ border-color:rgb(135, 106, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 106, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 106, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 106, 170);  
box-shadow:4px 4px 4px 4px rgb(135, 106,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4014, 18.3612, 40.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 106, 170) }
```

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

```
.background{ background-color: rgb(135,  
106, 170) }
```

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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