

Converting Colors

XYZ(24.1316, 22.3634, 46.7608)

Have a look what the booklet for
XYZ(24.1316, 22.3634, 46.7608)
contains.

XYZ(24.1316, 22.3634, 46.7608)	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(24.1316, 22.3634,
46.7608)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7DB5
RGB	125, 125, 181
RGB Percent	49%, 49%, 71%
CMY	0.5098, 0.5098, 0.2902
CMYK	0.31, 0.31, 0.00, 0.29
HSL	240°, 27%, 60%
HSV	240°, 31%, 71%
XYZ	24.1316, 22.3634, 46.7608
YIQ	131.3840, -17.9760, 17.4160

Conversions

Conversions Part 2

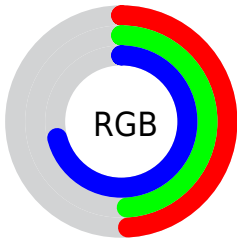
Format	Color
R_{YB}	125, 125, 181
Decimal	8224181
CIE _{Lab}	54.41, 13.11, -29.50
CIE _{LCh}	54, 32.279, 293.968
Yxy	22.3634, 0.2588, 0.2398
Android (android.graphics.Color)	4286414261 (0xFF7D7DB5)
YUV	131.3840, 24.4607, -5.5988
Hunter-Lab	47.2900, 8.3294, -25.5236

Details

The XYZ color **24.1316, 22.3634, 46.7608** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.2820, 44.3526, 25.8934**, and the grayscale version is **21.6311, 22.7576, 24.7831**.

A 20% lighter version of the original color is **49.7969, 47.5389, 86.6721**, and **9.3048, 8.1832, 21.5112** is the 20% darker color. If you saturate the color by 10%, you get **19.6398, 16.9511, 45.9532**, and if you desaturate by 10%, it is **29.5239, 28.8608, 47.7311**.

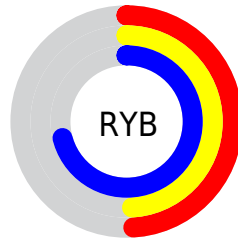
Distribution



Red (49%)

Green (49%)

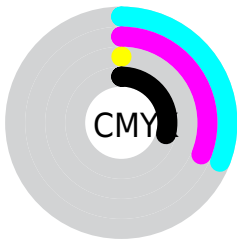
Blue (71%)



Red (49%)

Yellow (49%)

Blue (71%)

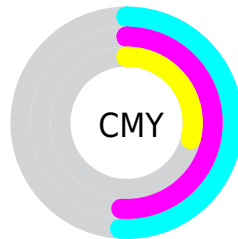


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1316, 22.3634, 46.7608 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 24.1316, 22.3634, 46.7608 by changing the saturation by 10% instead.

■ 24.1316, 22.3634,
46.7608

■ 24.1316, 22.3634,
46.7608

265.9133,
264.4382, 390.2250

■ 15.5565, 14.1242,
32.4936

■ 49.6980, 47.3459,
86.7027

■ 9.2997, 8.2071,
21.4709

■ 67.4200, 64.8579,
113.2145

■ 4.9959, 4.2277,
13.2740

■ 88.9217, 86.2297,
144.6449

■ 2.2796, 1.8018,
7.4846

114.5685,
111.8456, 181.4124

■ 0.7842, 0.4883,
3.6839

144.7257,
142.0900, 223.9357

■ 0.0000, 0.0000,
1.4536

179.7586,

■ 0.0000, 0.0000,

177.3473, 272.6332

0.1830

220.0327,
218.0019, 327.9234

■ 0.0000, 0.0000,
0.0000

■ 24.1316, 22.3634,
46.7608

■ 24.1316, 22.3634,
46.7608

■ 19.6398, 16.9511,
45.9532

■ 29.5239, 28.8608,
47.7311

■ 15.9975, 12.5622,
45.2981

■ 35.8597, 36.4950,
48.8707

■ 13.1517, 9.1333,
44.7862

■ 43.1818, 45.3177,
50.1878

■ 11.0430, 6.5925,
44.4069

■ 51.5299, 55.3766,
51.6893

■ 9.6035, 4.8579,
44.1480

■ 60.9414, 66.7169,
53.3822

■ 8.7525, 3.8326,
43.9950

■ 71.4518, 79.3812,
55.2727

■ 8.3406, 3.3362,
43.9209

■ 83.0949, 93.4106,
57.3670

■ 85.3406, 96.1162,
57.7709

Harmonies

Analogous

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



20.5509, 22.3634, 49.2243



24.1316, 22.3634, 46.7608



27.2257, 22.3634, 37.6562

Triad

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



24.1316, 22.3634, 46.7608



25.5002, 22.3634, 11.7776



15.1993, 22.3634, 22.3652

Complementary

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



24.1316, 22.3634, 46.7608



39.2820, 44.3526, 25.8934

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.



16.2292, 22.3634, 14.6180



24.1316, 22.3634, 46.7608



21.9765, 22.3634, 9.6911

Square

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



24.1316, 22.3634, 46.7608



28.0750, 22.3634, 17.2811



18.6180, 22.3634, 10.5641



15.6411, 22.3634, 33.1233

Rectangle

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



24.1316, 22.3634, 46.7608



28.4633, 22.3634, 30.1180



18.6180, 22.3634, 10.5641



15.3809, 22.3634, 19.3698

Sweetspot

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



24.1324, 22.3643, 46.7613



66.4362, 68.0274, 87.9236



33.3224, 40.7445, 49.8247



13.9741, 14.2390, 18.9341



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.1324, 22.3643, 46.7613



37.6723, 33.3687, 82.7499



28.8117, 24.7765, 46.9803



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



34.7307, 27.8279, 47.2570



59.6248, 44.6857, 83.7766



33.3630, 41.3013, 25.6164



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 24.1316, 22.3634, 46.7608 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 24.1316, 22.3634, 46.7608 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 24.1316, 22.3634, 46.7608

Background



This preview shows how black text looks on a background with the XYZ color 24.1316, 22.3634, 46.7608.



This preview shows how white text looks on a background with the XYZ color 24.1316, 22.3634,

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

24.1316, 22.3634, 46.7608

Protanopia

23.0765, 22.3680, 47.9009

Deuteranopia

22.7674, 22.2443, 46.2736



Tritanopia

20.5453, 22.2676, 29.2018

Trichromacy



Original Color

24.1316, 22.3634, 46.7608

Protanomaly

23.3690, 22.3381, 47.3360

Deuteranomaly

23.1637, 22.2559, 46.2550

Tritanomaly

21.6818, 22.1279, 35.0266

Monochromacy



Original Color

24.1316, 22.3634, 46.7608

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3283, 22.5376, 31.6071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1316, 22.3634, 46.7608 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(125, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 181)  
}
```

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(125, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.1316, 22.3634, 46.7608 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(125, 125, 181) }
```


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

```
.border{ border-color:rgb(125, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1316, 22.3634, 46.7608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 181) }
```

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

```
.background{ background-color: rgb(125,  
125, 181) }
```

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