

Converting Colors

XYZ(28.6024, 23.7230, 70.2903)

Have a look what the booklet for
XYZ(28.6024, 23.7230, 70.2903)
contains.

XYZ(28.6215, 23.7924, 70.1017)	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(28.6215, 23.7924,
70.1017)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7BDB
RGB	127, 123, 219
RGB Percent	50%, 48%, 86%
CMY	0.5019, 0.5176, 0.1412
CMYK	0.42, 0.44, 0.00, 0.14
HSL	243°, 57%, 67%
HSV	243°, 44%, 86%
XYZ	28.6215, 23.7924, 70.1017
YIQ	135.1400, -28.4320, 30.7040

Conversions

Conversions Part 2

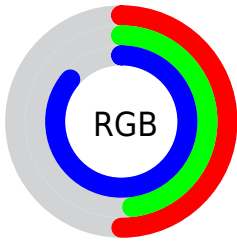
Format	Color
RYB	127, 123, 219
Decimal	8354779
CIELab	55.88, 25.31, -48.77
CIELCh	56, 54.945, 297.430
Yxy	23.7924, 0.2336, 0.1942
Android (android.graphics.Color)	4286544859 (0xFF7F7BDB)
YUV	135.1400, 41.3430, -7.1388
Hunter-Lab	48.7775, 19.3792, -51.0658

Details

The XYZ color **28.6215, 23.7924, 70.1017** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **56.9310, 66.5404, 28.5826**, and the grayscale version is **22.9408, 24.1355, 26.2836**.

A 20% lighter version of the original color is **52.9084, 47.9472, 101.0739**, and **11.6582, 8.8815, 35.7502** is the 20% darker color. If you saturate the color by 10%, you get **23.3957, 17.5069, 69.1644**, and if you desaturate by 10%, it is **35.1078, 31.6304, 71.2732**.

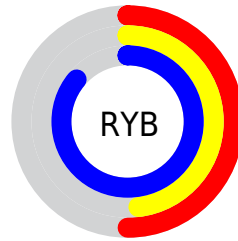
Distribution



Red (50%)

Green (48%)

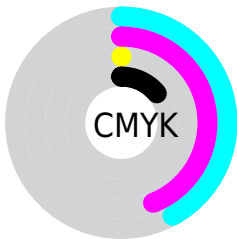
Blue (86%)



Red (50%)

Yellow (48%)

Blue (86%)

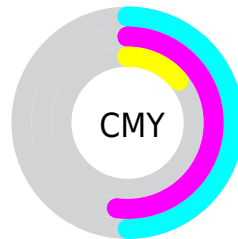


Cyan (42%)

Magenta (44%)

Yellow (0%)

Black (14%)



Cyan (50%)

Magenta (52%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6215, 23.7924, 70.1017 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 28.6215, 23.7924, 70.1017 by changing the saturation by 10% instead.

■ 28.6215, 23.7924,
70.1017

■ 28.6215, 23.7924,
70.1017

287.4514,
271.7692, 479.7058

■ 18.9375, 15.1797,
51.1321

■ 56.8769, 49.6912,
121.0362

■ 11.7289, 8.9456,
35.9363

■ 76.1791, 67.7461,
153.8383

■ 6.6302, 4.7057,
24.0957

■ 99.4180, 89.7172,
192.0883

■ 3.2762, 2.0756,
15.1918

126.9590,
115.9889, 236.2047

■ 1.3015, 0.6509,
8.8060

159.1675,
146.9455, 286.6061

■ 0.1843, 0.0000,
4.5198

196.4088,

■ 0.0000, 0.0000,

182.9715, 343.7111

1.9146

239.0483,
224.4513, 407.9381

■ 0.0000, 0.0000,
0.5020

■ 0.0000, 0.0000,
0.0000

■ 28.6215, 23.7924,
70.1017

■ 28.6215, 23.7924,
70.1017

■ 23.3957, 17.5069,
69.1644

■ 35.1078, 31.6304,
71.2732

■ 19.3458, 12.6683,
68.4439

■ 42.9263, 41.1121,
72.6913

■ 16.3815, 9.1621,
67.9234

■ 52.1464, 52.3244,
74.3695

■ 14.3978, 6.8551,
67.5826

■ 62.8322, 65.3475,
76.3200

■ 13.2691, 5.5867,
67.3973

■ 75.0436, 80.2566,
78.5542

■ 12.9005, 5.1734,
67.3369

■ 88.8372, 97.1227,
81.0826

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



22.0788, 23.7924, 77.8244



28.6215, 23.7924, 70.1017



34.3439, 23.7924, 49.2340

Triad

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



28.6215, 23.7924, 70.1017



29.7287, 23.7924, 6.3663



12.5984, 23.7924, 24.3915

Complementary

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



28.6215, 23.7924, 70.1017



56.9310, 66.5404, 28.5826

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.



13.9146, 23.7924, 11.4319



28.6215, 23.7924, 70.1017



23.1577, 23.7924, 4.4789

Square

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



28.6215, 23.7924, 70.1017



35.0616, 23.7924, 13.0540



17.5120, 23.7924, 5.7792



13.5280, 23.7924, 45.2416

Rectangle

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



28.6215, 23.7924, 70.1017



36.5067, 23.7924, 34.1514



17.5120, 23.7924, 5.7792



12.7864, 23.7924, 19.1074

Sweetspot

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



28.6224, 23.7932, 70.1023



74.6344, 75.1077, 105.1713



45.4598, 58.3353, 75.8821



15.3099, 15.2667, 22.3898



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.



28.6224, 23.7932, 70.1023



33.2767, 25.0134, 97.6819



37.3699, 28.3027, 70.5117



12.3886, 12.6429, 16.4395



7.6721, 3.0793, 39.9284



0.5151, 0.2088, 2.5876

Inverse Universe

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



48.5624, 34.1328, 68.3180



65.0945, 41.5193, 94.5054



45.0132, 60.3965, 28.0248



13.5897, 13.2650, 16.3667



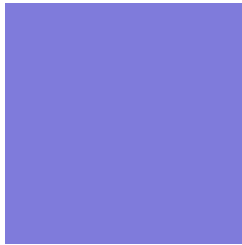
24.2209, 11.6894, 37.1387



1.5766, 0.7603, 2.4452

Previews

White Background



This preview shows how the XYZ color 28.6215, 23.7924, 70.1017 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 28.6215, 23.7924, 70.1017 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 28.6215, 23.7924, 70.1017

Background



This preview shows how black text looks on a background with the XYZ color 28.6215, 23.7924, 70.1017.



This preview shows how white text looks on a background with the XYZ color 28.6215, 23.7924,

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

28.6215, 23.7924, 70.1017

Protanopia

26.3580, 24.0507, 75.2045

Deuteranopia

24.7056, 23.9448, 68.9653



Tritanopia

20.9002, 23.6302, 32.3137

Trichromacy



Original Color

28.6215, 23.7924, 70.1017

Protanomaly

26.8642, 23.7693, 72.9841

Deuteranomaly

25.8931, 23.7365, 69.5466

Tritanomaly

23.3279, 23.5832, 43.8799

Monochromacy



Original Color

28.6215, 23.7924, 70.1017

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.5150, 23.8913, 39.3958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6215, 23.7924, 70.1017 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(127, 123, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 123, 219)  
}
```

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(127, 123, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 123, 219) }
```

Border

The CSS property to change the border of an element to XYZ 28.6215, 23.7924, 70.1017 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(127, 123, 219) }
```


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

```
.border{ border-color:rgb(127, 123, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 123, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 123, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 123, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 123,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6215, 23.7924, 70.1017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 123, 219) }
```

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

```
.background{ background-color: rgb(127,  
123, 219) }
```

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