

Converting Colors

XYZ(28.8609, 23.0378, 77.0542)

Have a look what the booklet for
XYZ(28.8609, 23.0378, 77.0542)
contains.

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Color

**XYZ(28.9081, 23.0617,
77.0565)**

Conversions

Conversions Part 1

Format	Color
Hex	7B77E5
RGB	123, 119, 229
RGB Percent	48%, 47%, 90%
CMY	0.5176, 0.5333, 0.1020
CMYK	0.46, 0.48, 0.00, 0.10
HSL	242°, 68%, 68%
HSV	242°, 48%, 90%
XYZ	28.9081, 23.0617, 77.0565
YIQ	132.7360, -32.9260, 35.0580

Conversions

Conversions Part 2

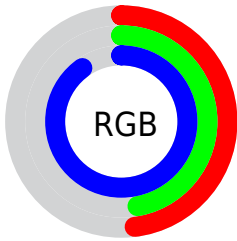
Format	Color
R _Y B	123, 119, 229
Decimal	8091621
CIE Lab	55.14, 29.63, -55.58
CIE LCh	55, 62.987, 298.063
Yxy	23.0617, 0.2240, 0.1787
Android (android.graphics.Color)	4286281701 (0xFF7B77E5)
YUV	132.7360, 47.4582, -8.5385
Hunter-Lab	48.0226, 23.4119, -61.5202

Details

The XYZ color **28.9081, 23.0617, 77.0565** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.3996, 73.3780, 28.3277**, and the grayscale version is **22.0410, 23.1889, 25.2527**.

A 20% lighter version of the original color is **51.4353, 46.0491, 100.7852**, and **11.9104, 8.6136, 40.5700** is the 20% darker color. If you saturate the color by 10%, you get **23.6950, 16.8046, 76.1240**, and if you desaturate by 10%, it is **35.4910, 31.0001, 78.2423**.

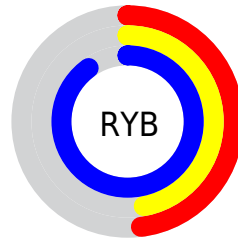
Distribution



Red (48%)

Green (47%)

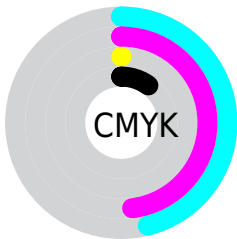
Blue (90%)



Red (48%)

Yellow (47%)

Blue (90%)

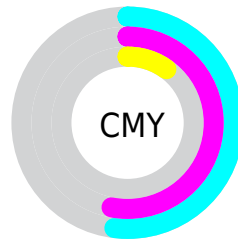


Cyan (46%)

Magenta (48%)

Yellow (0%)

Black (10%)



Cyan (52%)

Magenta (53%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9081, 23.0617, 77.0565 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 28.9081, 23.0617, 77.0565 by changing the saturation by 10% instead.

■ 28.9081, 23.0617,
77.0565

■ 28.9081, 23.0617,
77.0565

288.7831,
268.0417, 504.3994

■ 19.1552, 14.6391,
56.7874

■ 57.3296, 48.4946,
130.9930

■ 11.8872, 8.5665,
40.4264

■ 76.7290, 66.2737,
165.4974

■ 6.7386, 4.4595,
27.5548

■ 100.0746, 87.9404,
205.5841

■ 3.3440, 1.9338,
17.7542

127.7317,
113.8791, 251.6715

■ 1.3382, 0.5686,
10.6061

160.0658,
144.4742, 304.1782

■ 0.2115, 0.0000,
5.6918

197.4422,

■ 0.0000, 0.0000,

180.1100, 363.5227

2.5929

240.2261,
221.1711, 430.1236

■ 0.0000, 0.0000,
0.8888

■ 0.0000, 0.0000,
0.0000

■ 28.9081, 23.0617,
77.0565

■ 28.9081, 23.0617,
77.0565

■ 23.6950, 16.8046,
76.1240

■ 35.4910, 31.0001,
78.2423

■ 19.7526, 12.1055,
75.4248

■ 43.5279, 40.7264,
79.6961

■ 16.9728, 8.8284,
74.9387

■ 53.0996, 52.3412,
81.4335

■ 15.2285, 6.8123,
74.6415

■ 64.2801, 65.9370,
83.4684

■ 14.3530, 5.8380,
74.4996

■ 77.1387, 81.6000,
85.8140

■ 14.2473, 5.7110,
74.4807

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



21.4659, 23.0617, 87.0150



28.9081, 23.0617, 77.0565



35.4974, 23.0617, 51.6383

Triad

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



28.9081, 23.0617, 77.0565



29.8699, 23.0617, 4.5093



11.0010, 23.0617, 23.8249

Complementary

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



28.9081, 23.0617, 77.0565



62.3996, 73.3780, 28.3277

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.



12.3383, 23.0617, 9.7015



28.9081, 23.0617, 77.0565



22.3793, 23.0617, 2.8956

Square

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



28.9081, 23.0617, 77.0565



36.1309, 23.0617, 10.9536



16.1590, 23.0617, 4.1057



12.0295, 23.0617, 48.0608

Rectangle

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



28.9081, 23.0617, 77.0565



37.9697, 23.0617, 33.9925



16.1590, 23.0617, 4.1057



11.1816, 23.0617, 17.9281

Sweetspot

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



28.9091, 23.0625, 77.0571



73.1568, 73.3491, 104.9097



48.7665, 63.6104, 83.8370



15.0166, 14.9193, 22.3382



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.



28.9091, 23.0625, 77.0571



30.0619, 21.2328, 97.1216



39.0239, 28.2768, 77.5304



13.6311, 13.9120, 18.1112



8.1675, 3.2764, 42.5851



0.6208, 0.2510, 3.1477

Inverse Universe

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



52.5004, 35.2881, 75.2760



63.7033, 38.6743, 94.2348



47.9993, 65.9543, 27.6538



14.9713, 14.6057, 18.0490



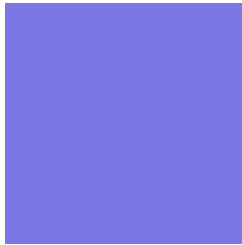
25.9217, 12.5029, 40.0781



1.9227, 0.9268, 2.9992

Previews

White Background



This preview shows how the XYZ color 28.9081, 23.0617, 77.0565 looks on a white background.

Color Contrast Check

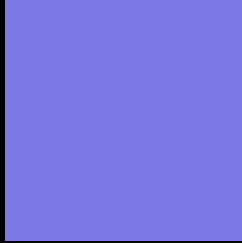
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9081, 23.0617, 77.0565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

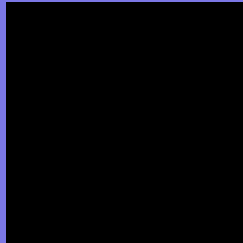
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9081, 23.0617, 77.0565

Background



This preview shows how black text looks on a background with the XYZ color 28.9081, 23.0617, 77.0565.



This preview shows how white text looks on a background with the XYZ color 28.9081, 23.0617,

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

28.9081, 23.0617, 77.0565

Protanopia

26.2937, 23.2311, 83.9871

Deuteranopia

24.0395, 23.2581, 75.1738



Tritanopia

19.8801, 23.1136, 31.8473

Trichromacy



Original Color

28.9081, 23.0617, 77.0565

Protanomaly

26.9451, 23.0451, 81.6252

Deuteranomaly

25.2405, 22.8692, 75.7569

Tritanomaly

22.4589, 22.6982, 45.3170

Monochromacy



Original Color

28.9081, 23.0617, 77.0565

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.8403, 22.9326, 40.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9081, 23.0617, 77.0565 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(123, 119, 229)` looks like.

```
.text, #text, p{  
    color:rgb(123, 119, 229)  
}
```

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(123, 119, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 119, 229) }
```

Border

The CSS property to change the border of an element to XYZ 28.9081, 23.0617, 77.0565 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(123, 119, 229) }
```


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

```
.border{ border-color:rgb(123, 119, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 119, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 119, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 119, 229);  
box-shadow:4px 4px 4px 4px rgb(123, 119,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9081, 23.0617, 77.0565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 119, 229) }
```

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

```
.background{ background-color: rgb(123,  
119, 229) }
```

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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