

Converting Colors

XYZ(27.6903, 23.3910, 76.2183)

Have a look what the booklet for
XYZ(27.6903, 23.3910, 76.2183)
contains.

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Color

**XYZ(27.7668, 23.3962,
76.4512)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7CE4
RGB	111, 124, 228
RGB Percent	44%, 49%, 89%
CMY	0.5647, 0.5137, 0.1059
CMYK	0.51, 0.46, 0.00, 0.11
HSL	233°, 68%, 66%
HSV	233°, 51%, 89%
XYZ	27.7668, 23.3962, 76.4512
YIQ	131.9690, -41.1320, 29.5880

Conversions

Conversions Part 2

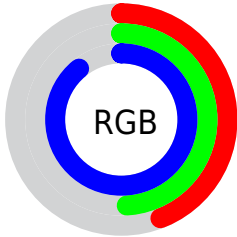
Format	Color
RYB	111, 123, 228
Decimal	7306468
CIELab	55.48, 23.67, -54.52
CIElCh	55, 59.440, 293.468
Yxy	23.3962, 0.2176, 0.1833
Android (android.graphics.Color)	4285496548 (0xFF6F7CE4)
YUV	131.9690, 47.3433, -18.3898
Hunter-Lab	48.3696, 17.8219, -59.8528

Details

The XYZ color **27.7668, 23.3962, 76.4512** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.1665, 66.2455, 24.7089**, and the grayscale version is **21.7673, 22.9009, 24.9391**.

A 20% lighter version of the original color is **49.9375, 46.7057, 100.9908**, and **11.2975, 8.8004, 40.1329** is the 20% darker color. If you saturate the color by 10%, you get **22.9712, 17.5333, 75.5728**, and if you desaturate by 10%, it is **33.8183, 30.6819, 77.5390**.

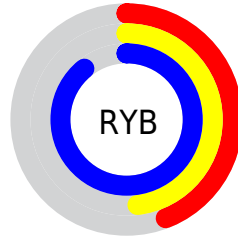
Distribution



Red (44%)

Green (49%)

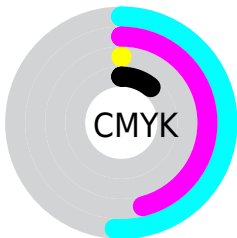
Blue (89%)



Red (44%)

Yellow (48%)

Blue (89%)

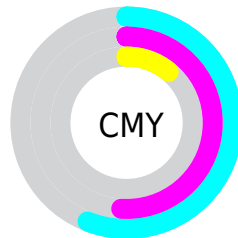


Cyan (51%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (51%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7668, 23.3962, 76.4512 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 27.7668, 23.3962, 76.4512 by changing the saturation by 10% instead.

■ 27.7668, 23.3962,
76.4512

■ 27.7668, 23.3962,
76.4512

283.4512,
269.7535, 502.2787

■ 18.2895, 14.8863,
56.2937

■ 55.5232, 49.0431,
130.1304

■ 11.2590, 8.7396,
40.0329

■ 74.5329, 66.9489,
164.4892

■ 6.3099, 4.5718,
27.2502

■ 97.4509, 88.7554,
204.4189

■ 3.0769, 1.9983,
17.5271

124.6424,
114.8471, 250.3379

■ 1.1945, 0.6065,
10.4451

156.4729,
145.6084, 302.6649

■ 0.1020, 0.0000,
5.5856

193.3076,

■ 0.0000, 0.0000,

181.4236, 361.8183

2.5301

235.5119,
222.6772, 428.2167

■ 0.0000, 0.0000,
0.8560

■ 0.0000, 0.0000,
0.0000

■ 27.7668, 23.3962,
76.4512

■ 27.7668, 23.3962,
76.4512

■ 22.9712, 17.5333,
75.5728

■ 33.8183, 30.6819,
77.5390

■ 19.3397, 12.9973,
74.8887

■ 41.2032, 39.4733,
78.8467

■ 16.7720, 9.6836,
74.3844

■ 49.9960, 49.8495,
80.3861

■ 15.1496, 7.4709,
74.0428

■ 60.2650, 61.8836,
82.1677

■ 14.3583, 6.3107,
73.8606

■ 72.0739, 75.6438,
84.2013

■ 85.4826, 91.1948,
86.4962

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



20.8051, 23.3962, 82.4472



27.7668, 23.3962, 76.4512



34.2653, 23.3962, 54.3194

Triad

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



27.7668, 23.3962, 76.4512



30.8125, 23.3962, 5.8520



11.7447, 23.3962, 21.5071

Complementary

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



27.7668, 23.3962, 76.4512



59.1665, 66.2455, 24.7089

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.



13.4159, 23.3962, 9.2293



27.7668, 23.3962, 76.4512



23.7339, 23.3962, 3.5987

Square

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



27.7668, 23.3962, 76.4512



36.2560, 23.3962, 13.4343



17.4956, 23.3962, 4.4159



12.3974, 23.3962, 43.1537

Rectangle

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



27.7668, 23.3962, 76.4512



36.9987, 23.3962, 37.4687



17.4956, 23.3962, 4.4159



12.0402, 23.3962, 16.3594

Sweetspot

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



27.7678, 23.3970, 76.4518



72.4471, 73.6456, 105.0044



46.4824, 63.7400, 73.7070



14.9045, 15.0575, 22.3708



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.



27.7678, 23.3970, 76.4518



29.0386, 21.8948, 97.3034



33.3708, 24.0250, 76.2777



13.7111, 14.1435, 18.1517



8.3333, 3.7287, 42.6637



0.6590, 0.3620, 3.1671

Inverse Universe

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



41.3184, 29.3195, 22.5507



48.5690, 31.0164, 19.4844



50.1779, 66.7210, 25.2744



14.4418, 14.3939, 15.2607



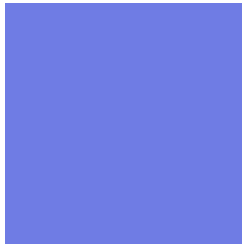
18.5998, 9.5741, 1.5215



1.3963, 0.7162, 0.2273

Previews

White Background



This preview shows how the XYZ color 27.7668, 23.3962, 76.4512 looks on a white background.

Color Contrast Check

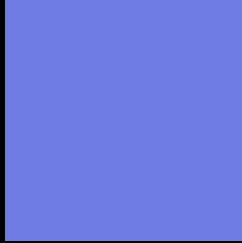
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7668, 23.3962, 76.4512 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 27.7668, 23.3962, 76.4512

Background



This preview shows how black text looks on a background with the XYZ color 27.7668, 23.3962, 76.4512.



This preview shows how white text looks on a background with the XYZ color 27.7668, 23.3962,

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

27.7668, 23.3962, 76.4512

Protanopia

26.3045, 23.5150, 80.2432

Deuteranopia

24.3669, 23.6312, 75.2285



Tritanopia

19.2051, 23.3759, 33.6368

Trichromacy



Original Color

27.7668, 23.3962, 76.4512

Protanomaly

26.6293, 23.3279, 78.7005

Deuteranomaly

25.2411, 23.2606, 75.8324

Tritanomaly

21.7261, 23.1100, 46.4956

Monochromacy



Original Color

27.7668, 23.3962, 76.4512

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.1375, 22.7756, 39.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7668, 23.3962, 76.4512 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(111, 124, 228)` looks like.

```
.text, #text, p{  
    color:rgb(111, 124, 228)  
}
```

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(111, 124, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 124, 228) }
```

Border

The CSS property to change the border of an element to XYZ 27.7668, 23.3962, 76.4512 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(111, 124, 228) }
```


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

```
.border{ border-color:rgb(111, 124, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 124, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 124, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 124, 228);  
box-shadow:4px 4px 4px 4px rgb(111, 124,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7668, 23.3962, 76.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 124, 228) }
```

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

```
.background{ background-color: rgb(111,  
124, 228) }
```

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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