

Converting Colors

XYZ(27.6343, 23.8297, 79.4870)

Have a look what the booklet for
XYZ(27.6343, 23.8297, 79.4870)
contains.

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Color

**XYZ(27.6343, 23.8297,
79.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	667FE8
RGB	102, 127, 232
RGB Percent	40%, 50%, 91%
CMY	0.6000, 0.5020, 0.0902
CMYK	0.56, 0.45, 0.00, 0.09
HSL	228°, 74%, 65%
HSV	228°, 56%, 91%
XYZ	27.6343, 23.8297, 79.4870
YIQ	131.4950, -48.6050, 27.3550

Conversions

Conversions Part 2

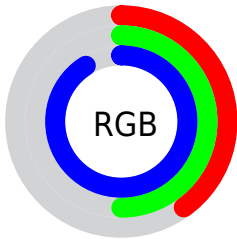
Format	Color
RYB	102, 123, 232
Decimal	6717416
CIELab	55.92, 21.25, -56.09
CIElCh	56, 59.980, 290.751
Yxy	23.8297, 0.2110, 0.1820
Android (android.graphics.Color)	4284907496 (0xFF667FE8)
YUV	131.4950, 49.5490, -25.8671
Hunter-Lab	48.8157, 15.6205, -62.3715

Details

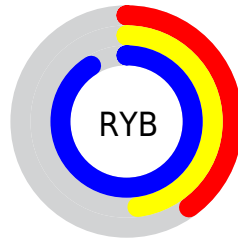
The XYZ color **27.6343, 23.8297, 79.4870** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **57.9916, 62.7435, 21.6262**, and the grayscale version is **21.5919, 22.7164, 24.7381**.

A 20% lighter version of the original color is **48.8680, 47.0373, 101.1112**, and **11.2597, 9.0499, 42.2276** is the 20% darker color. If you saturate the color by 10%, you get **23.1642, 18.2607, 78.6482**, and if you desaturate by 10%, it is **33.2921, 30.6796, 80.5115**.

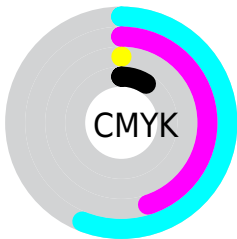
Distribution



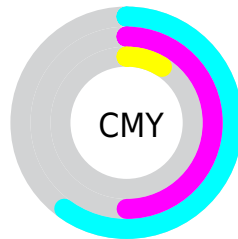
- Red (40%)
- Green (50%)
- Blue (91%)



- Red (40%)
- Yellow (48%)
- Blue (91%)



- Cyan (56%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (60%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6343, 23.8297, 79.4870 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 27.6343, 23.8297, 79.4870 by changing the saturation by 10% instead.

■ 27.6343, 23.8297,
79.4870

■ 27.6343, 23.8297,
79.4870

282.8272,
271.9584, 512.8634

■ 18.1892, 15.2073,
58.7726

■ 55.3128, 49.7522,
134.4491

■ 11.1864, 8.9650,
42.0113

■ 74.2769, 67.8210,
169.5339

■ 6.2606, 4.7184,
28.7845

■ 97.1447, 89.8075,
210.2460

■ 3.0463, 2.0830,
18.6737

124.2817,
116.0961, 257.0038

■ 1.1783, 0.6550,
11.2603

156.0530,
147.0710, 310.2259

■ 0.0891, 0.0000,
6.1258

192.8241,

■ 0.0000, 0.0000,

183.1168, 370.3308

2.8517

234.9604,
224.6178, 437.7371

■ 0.0000, 0.0000,
1.0194

■ 0.0000, 0.0000,
0.0000

■ 27.6343, 23.8297,
79.4870

■ 27.6343, 23.8297,
79.4870

■ 23.1642, 18.2607,
78.6482

■ 33.2921, 30.6796,
80.5115

■ 19.7906, 13.8878,
77.9819

■ 40.2134, 38.8830,
81.7301

■ 17.4134, 10.6189,
77.4763

■ 48.4712, 48.5097,
83.1530

■ 15.9108, 8.3456,
77.1167

■ 58.1319, 59.6239,
84.7891

■ 15.4891, 7.6733,
77.0091

■ 69.2575, 72.2858,
86.6467

■ 81.9061, 86.5521,
88.7337

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



20.6013, 23.8297, 83.6782



27.6343, 23.8297, 79.4870



34.4327, 23.8297, 57.8047

Triad

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



27.6343, 23.8297, 79.4870



32.0277, 23.8297, 6.3466



11.9933, 23.8297, 20.3529

Complementary

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



27.6343, 23.8297, 79.4870



57.9916, 62.7435, 21.6262

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.



13.9173, 23.8297, 8.6707



27.6343, 23.8297, 79.4870



24.8290, 23.8297, 3.7023

Square

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



27.6343, 23.8297, 79.4870



37.3029, 23.8297, 14.7615



18.3032, 23.8297, 4.2617



12.4452, 23.8297, 41.7044

Rectangle

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



27.6343, 23.8297, 79.4870



37.4675, 23.8297, 40.4449



18.3032, 23.8297, 4.2617



12.3663, 23.8297, 15.4074

Sweetspot

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



27.6353, 23.8305, 79.4876



70.6899, 72.3438, 104.8457



45.4777, 64.9950, 68.5420



14.5905, 14.8654, 22.3502



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.



27.6353, 23.8305, 79.4876



28.0810, 21.8346, 97.3422



30.3028, 20.9933, 78.7994



13.8060, 14.3334, 18.1833



8.6675, 4.3970, 42.7751



0.7040, 0.4519, 3.1821

Inverse Universe

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



41.8617, 28.1922, 23.3144



47.6329, 28.9083, 19.8993



53.2483, 70.0108, 23.2789



14.4897, 14.4131, 15.5130



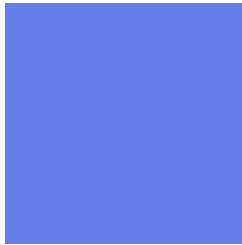
18.7684, 9.6416, 2.4097



1.4190, 0.7253, 0.3468

Previews

White Background



This preview shows how the XYZ color 27.6343, 23.8297, 79.4870 looks on a white background.

Color Contrast Check

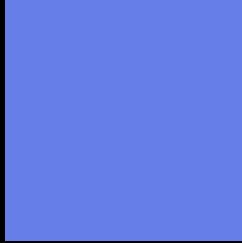
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6343, 23.8297, 79.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

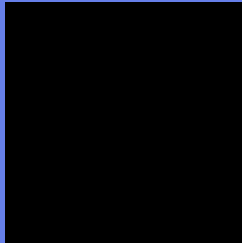
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6343, 23.8297, 79.4870

Background



This preview shows how black text looks on a background with the XYZ color 27.6343, 23.8297, 79.4870.



This preview shows how white text looks on a background with the XYZ color 27.6343, 23.8297,

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

27.6343, 23.8297, 79.4870

Protanopia

26.7243, 23.8947, 81.8009

Deuteranopia

24.7505, 23.9709, 78.1853



Tritanopia

18.7217, 23.7633, 35.0525

Trichromacy



Original Color

27.6343, 23.8297, 79.4870

Protanomaly

27.0159, 23.8652, 81.0244

Deuteranomaly

25.5767, 23.7679, 78.8409

Tritanomaly

21.3964, 23.5225, 48.7600

Monochromacy



Original Color

27.6343, 23.8297, 79.4870

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.7962, 22.7855, 40.2423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6343, 23.8297, 79.4870 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(102, 127, 232)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 232)  
}
```

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(102, 127, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 232) }
```

Border

The CSS property to change the border of an element to XYZ 27.6343, 23.8297, 79.4870 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(102, 127, 232) }
```


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

```
.border{ border-color:rgb(102, 127, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 127, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 232);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6343, 23.8297, 79.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 232) }
```

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

```
.background{ background-color: rgb(102,  
127, 232) }
```

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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