

Converting Colors

XYZ(27.8043, 20.1849, 84.0920)

Have a look what the booklet for
XYZ(27.8043, 20.1849, 84.0920)
contains.

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Color

**XYZ(27.8043, 20.1849,
84.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	736AEF
RGB	115, 106, 239
RGB Percent	45%, 42%, 94%
CMY	0.5490, 0.5843, 0.0627
CMYK	0.52, 0.56, 0.00, 0.06
HSL	244°, 81%, 68%
HSV	244°, 56%, 94%
XYZ	27.8043, 20.1849, 84.0920
YIQ	123.8530, -37.3290, 43.2710

Conversions

Conversions Part 2

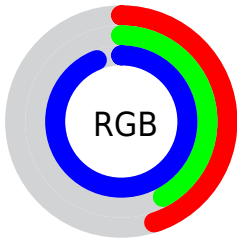
Format	Color
R _Y B	115, 106, 239
Decimal	7564015
CIE Lab	52.05, 38.62, -66.18
CIE LCh	52, 76.619, 300.265
Yxy	20.1849, 0.2105, 0.1528
Android (android.graphics.Color)	4285754095 (0xFF736AEF)
YUV	123.8530, 56.7675, -7.7641
Hunter-Lab	44.9276, 31.8448, -79.5251

Details

The XYZ color **27.8043, 20.1849, 84.0920** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **66.0998, 79.5962, 25.5156**, and the grayscale version is **18.9363, 19.9224, 21.6955**.

A 20% lighter version of the original color is **47.9561, 40.7877, 99.9530**, and **11.2719, 7.0816, 45.0288** is the 20% darker color. If you saturate the color by 10%, you get **23.0913, 14.5946, 83.2618**, and if you desaturate by 10%, it is **33.9133, 27.5137, 85.1851**.

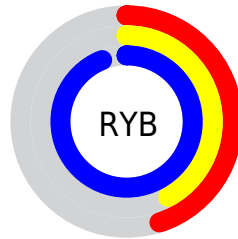
Distribution



Red (45%)

Green (42%)

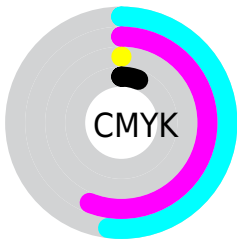
Blue (94%)



Red (45%)

Yellow (42%)

Blue (94%)

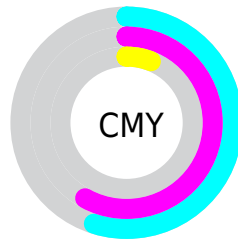


Cyan (52%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (55%)

Magenta (58%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8043, 20.1849, 84.0920 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 27.8043, 20.1849, 84.0920 by changing the saturation by 10% instead.

■ 27.8043, 20.1849,
84.0920

■ 27.8043, 20.1849,
84.0920

283.6277,
252.9143, 528.6847

■ 18.3179, 12.5295,
62.5456

■ 55.5827, 43.7270,
140.9667

■ 11.2795, 7.1054,
45.0350

■ 74.6054, 60.3824,
177.1321

■ 6.3238, 3.5281,
31.1419

■ 97.5375, 80.8067,
219.0076

■ 3.0855, 1.4133,
20.4475

■ 124.7445,
105.3842, 267.0116

■ 1.1991, 0.2265,
12.5335

156.5916,
134.4994, 321.5628

■ 0.1057, 0.0000,
6.9812

193.4443,

■ 0.0000, 0.0000,

168.5365, 383.0797

3.3721

235.6679,
207.8800, 451.9808

■ 0.0000, 0.0000,
1.2876

■ 0.0000, 0.0000,
0.0516

■ 27.8043, 20.1849,
84.0920

■ 27.8043, 20.1849,
84.0920

■ 23.0913, 14.5946,
83.2618

■ 33.9133, 27.5137,
85.1851

■ 19.6611, 10.5970,
82.6710

■ 41.5142, 36.7069,
86.5589

■ 17.3873, 8.0256,
82.2945

■ 50.6974, 47.8810,
88.2317

■ 16.1159, 6.6759,
82.1010

■ 61.5455, 61.1423,
90.2197

■ 15.7969, 6.3438,
82.0537

■ 74.1353, 76.5897,
92.5378

■ 88.5388, 94.3157,
95.2001

■ 92.5801, 99.0120,
95.8936

Harmonies

Analogous

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



19.2547, 20.1849, 99.2801



27.8043, 20.1849, 84.0920



35.4260, 20.1849, 51.0007

Triad

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



27.8043, 20.1849, 84.0920



27.6506, 20.1849, 1.7832



7.7356, 20.1849, 22.1774

Complementary

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



27.8043, 20.1849, 84.0920



66.0998, 79.5962, 25.5156

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.



8.8671, 20.1849, 6.7916



27.8043, 20.1849, 84.0920



19.1158, 20.1849, 0.9169

Square

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



27.8043, 20.1849, 84.0920



35.3216, 20.1849, 6.6354



12.5613, 20.1849, 1.8207



8.9087, 20.1849, 51.6068

Rectangle

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



27.8043, 20.1849, 84.0920



38.1468, 20.1849, 30.0930



12.5613, 20.1849, 1.8207



7.8543, 20.1849, 15.4711

Sweetspot

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



27.8052, 20.1855, 84.0925



69.4088, 68.5165, 104.1745



49.8581, 65.9645, 91.7664



14.2920, 13.9748, 22.1941



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.



27.8052, 20.1855, 84.0925



26.0263, 16.0555, 96.3350



39.8765, 26.4085, 84.6575



14.9963, 15.2798, 19.8805



8.7676, 3.5252, 45.3462



0.7638, 0.3110, 3.7740

Inverse Universe

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



55.0332, 34.3720, 78.5932



60.6649, 34.1211, 88.5248



48.7027, 70.6276, 24.7015



16.4054, 16.0119, 19.6908



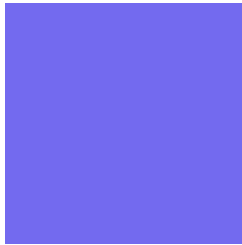
27.0382, 13.0877, 39.7133



2.2631, 1.0943, 3.3765

Previews

White Background



This preview shows how the XYZ color 27.8043, 20.1849, 84.0920 looks on a white background.

Color Contrast Check

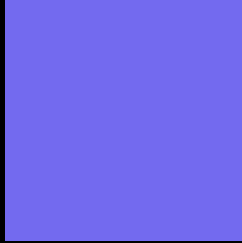
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8043, 20.1849, 84.0920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

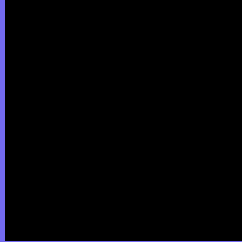
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8043, 20.1849, 84.0920

Background



This preview shows how black text looks on a background with the XYZ color 27.8043, 20.1849, 84.0920.



This preview shows how white text looks on a background with the XYZ color 27.8043, 20.1849,

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

27.8043, 20.1849, 84.0920

Protanopia

24.4391, 20.3436, 95.5671

Deuteranopia

20.5120, 20.1422, 71.2133



Tritanopia

16.6549, 20.0704, 28.5874

Trichromacy



Original Color

27.8043, 20.1849, 84.0920



Protanomaly

24.1795, 19.4403, 91.2849



Deuteranomaly

21.5553, 19.2873, 75.9855



Tritanomaly

19.6147, 19.5263, 44.3301

Monochromacy



Original Color

27.8043, 20.1849, 84.0920



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

21.1294, 19.5407, 38.7345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8043, 20.1849, 84.0920 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(115, 106, 239)` looks like.

```
.text, #text, p{  
    color:rgb(115, 106, 239)  
}
```

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(115, 106, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 106, 239) }
```

Border

The CSS property to change the border of an element to XYZ 27.8043, 20.1849, 84.0920 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(115, 106, 239) }
```


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

```
.border{ border-color:rgb(115, 106, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 106, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 106, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 106, 239); box-shadow:4px 4px 4px 4px rgb(115, 106, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8043, 20.1849, 84.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 106, 239) }
```

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

```
.background{ background-color: rgb(115,  
106, 239) }
```

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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