

Converting Colors

XYZ(27.6023, 19.4409, 82.7362)

Have a look what the booklet for
XYZ(27.6023, 19.4409, 82.7362)
contains.

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Color

**XYZ(27.6452, 19.5391,
82.4351)**

Conversions

Conversions Part 1

Format	Color
Hex	7766ED
RGB	119, 102, 237
RGB Percent	47%, 40%, 93%
CMY	0.5333, 0.6000, 0.0706
CMYK	0.50, 0.57, 0.00, 0.07
HSL	248°, 79%, 66%
HSV	248°, 57%, 93%
XYZ	27.6452, 19.5391, 82.4351
YIQ	122.4730, -33.2030, 45.5890

Conversions

Conversions Part 2

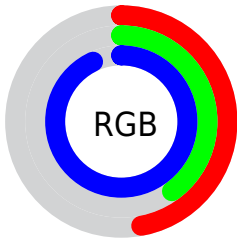
Format	Color
R_{YB}	119, 102, 237
Decimal	7825133
CIE _{Lab}	51.31, 41.14, -66.23
CIE _{LCh}	51, 77.968, 301.850
Yxy	19.5391, 0.2133, 0.1507
Android (android.graphics.Color)	4286015213 (0xFF7766ED)
YUV	122.4730, 56.4618, -3.0458
Hunter-Lab	44.2031, 34.2810, -79.6289

Details

The XYZ color **27.6452, 19.5391, 82.4351** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **62.1966, 76.7430, 24.1054**, and the grayscale version is **18.4828, 19.4454, 21.1760**.

A 20% lighter version of the original color is **47.9657, 39.7962, 99.7611**, and **11.1883, 6.7744, 43.8979** is the 20% darker color. If you saturate the color by 10%, you get **23.1004, 14.2190, 81.6482**, and if you desaturate by 10%, it is **33.4770, 26.5110, 83.4739**.

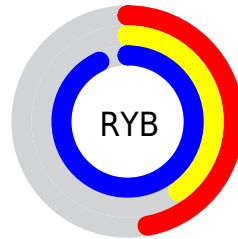
Distribution



Red (47%)

Green (40%)

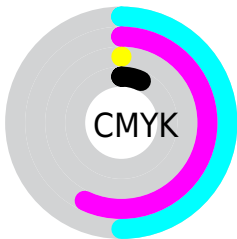
Blue (93%)



Red (47%)

Yellow (40%)

Blue (93%)

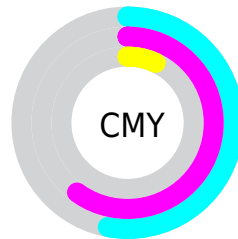


Cyan (50%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (60%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6452, 19.5391, 82.4351 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 27.6452, 19.5391, 82.4351 by changing the saturation by 10% instead.

■ 27.6452, 19.5391,
82.4351

■ 27.6452, 19.5391,
82.4351

282.8786,
249.4090, 523.0235

■ 18.1975, 12.0605,
61.1863

■ 55.3301, 42.6431,
138.6261

■ 11.1924, 6.7849,
43.9440

■ 74.2980, 59.0372,
174.4055

■ 6.2646, 3.3279,
30.2896

■ 97.1699, 79.1720,
215.8655

■ 3.0488, 1.3052,
19.8046

■ 124.3114,
103.4318, 263.4246

■ 1.1796, 0.1453,
12.0704

156.0876,
132.2010, 317.5015

■ 0.0902, 0.0000,
6.6685

192.8639,

■ 0.0000, 0.0000,

165.8640, 378.5145

3.1804

235.0058,
204.8052, 446.8824

■ 0.0000, 0.0000,
1.1875

■ 0.0000, 0.0000,
0.0000

■ 27.6452, 19.5391,
82.4351

■ 27.6452, 19.5391,
82.4351

■ 23.1004, 14.2190,
81.6482

■ 33.4770, 26.5110,
83.4739

■ 19.7407, 10.4109,
81.0902

■ 40.6815, 35.2550,
84.7819

■ 17.4530, 7.9550,
80.7368

■ 49.3403, 45.8822,
86.3768

■ 16.0970, 6.6485,
80.5561

■ 59.5278, 58.4944,
88.2743

■ 15.8173, 6.3883,
80.5206

■ 71.3131, 73.1856,
90.4888

■ 84.7612, 90.0440,
93.0340

■ 92.2861, 98.8945,
94.3457

Harmonies

Analogous

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



19.0589, 19.5391, 99.3473



27.6452, 19.5391, 82.4351



35.1470, 19.5391, 48.5928

Triad

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



27.6452, 19.5391, 82.4351



26.5681, 19.5391, 1.4412



7.2666, 19.5391, 22.6892

Complementary

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



27.6452, 19.5391, 82.4351



62.1966, 76.7430, 24.1054

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.



8.2512, 19.5391, 6.7799



27.6452, 19.5391, 82.4351



18.0922, 19.5391, 0.7370

Square

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



27.6452, 19.5391, 82.4351



34.4127, 19.5391, 5.7217



11.7381, 19.5391, 1.6837



8.5359, 19.5391, 52.8708

Rectangle

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



27.6452, 19.5391, 82.4351



37.6839, 19.5391, 27.9507



11.7381, 19.5391, 1.6837



7.3436, 19.5391, 15.7567

Sweetspot

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



27.6461, 19.5397, 82.4356



70.1542, 68.9008, 104.2094



46.6884, 60.7846, 89.3930



14.4654, 14.0642, 22.2022



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.



27.6461, 19.5397, 82.4356



26.6816, 16.1042, 96.3099



40.1057, 25.9629, 83.0187



14.4075, 14.6398, 18.9887



8.6945, 3.5181, 43.9638



0.7398, 0.3057, 3.4549

Inverse Universe

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



52.5944, 32.6746, 71.2420



58.9578, 33.1267, 80.4960



45.9617, 68.3736, 23.3456



15.6284, 15.2792, 18.5944



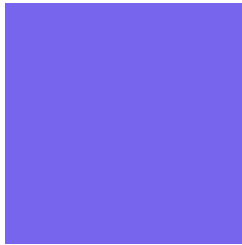
25.2604, 12.3069, 33.5023



2.0064, 0.9755, 2.7513

Previews

White Background



This preview shows how the XYZ color 27.6452, 19.5391, 82.4351 looks on a white background.

Color Contrast Check

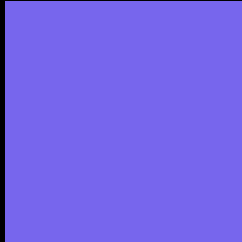
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6452, 19.5391, 82.4351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

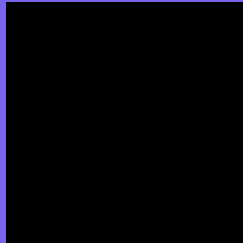
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6452, 19.5391, 82.4351

Background



This preview shows how black text looks on a background with the XYZ color 27.6452, 19.5391, 82.4351.



This preview shows how white text looks on a background with the XYZ color 27.6452, 19.5391,

82.4351.

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

27.6452, 19.5391, 82.4351

Protanopia

23.6166, 19.6247, 92.9857

Deuteranopia

19.8625, 19.4773, 69.0423



Tritanopia

16.5231, 19.4470, 26.9275

Trichromacy



Original Color

27.6452, 19.5391, 82.4351



Protanomaly

23.2719, 18.6945, 88.7680



Deuteranomaly

20.8323, 18.4406, 73.6956



Tritanomaly

19.6036, 19.0163, 42.6817

Monochromacy



Original Color

27.6452, 19.5391, 82.4351



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.7167, 19.0068, 37.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6452, 19.5391, 82.4351 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(119, 102, 237)` looks like.

```
.text, #text, p{  
    color:rgb(119, 102, 237)  
}
```

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(119, 102, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 102, 237) }
```

Border

The CSS property to change the border of an element to XYZ 27.6452, 19.5391, 82.4351 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(119, 102, 237) }
```


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

```
.border{ border-color:rgb(119, 102, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 102, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 102, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 102, 237);  
box-shadow:4px 4px 4px 4px rgb(119, 102,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6452, 19.5391, 82.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 102, 237) }
```

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

```
.background{ background-color: rgb(119,  
102, 237) }
```

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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