

Converting Colors

XYZ(27.6965, 16.1103, 78.7982)

Have a look what the booklet for
XYZ(27.6965, 16.1103, 78.7982)
contains.

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Color

**XYZ(27.7380, 16.1372,
78.7436)**

Conversions

Conversions Part 1

Format	Color
Hex	8B49E9
RGB	139, 73, 233
RGB Percent	55%, 29%, 91%
CMY	0.4549, 0.7137, 0.0863
CMYK	0.40, 0.69, 0.00, 0.09
HSL	265°, 78%, 60%
HSV	265°, 69%, 91%
XYZ	27.7380, 16.1372, 78.7436
YIQ	110.9740, -12.0240, 63.7520

Conversions

Conversions Part 2

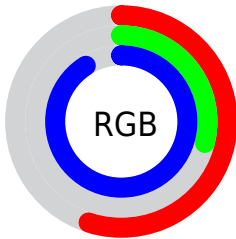
Format	Color
R _Y B	139, 73, 233
Decimal	9128425
CIE Lab	47.15, 59.44, -70.63
CIE LCh	47, 92.314, 310.079
Yxy	16.1372, 0.2262, 0.1316
Android (android.graphics.Color)	4287318505 (0xFF8B49E9)
YUV	110.9740, 60.1588, 24.5788
Hunter-Lab	40.1711, 52.9540, -88.1007

Details

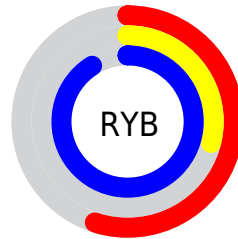
The XYZ color **27.7380, 16.1372, 78.7436** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **46.2772, 66.9742, 16.7917**, and the grayscale version is **14.9363, 15.7141, 17.1127**.

A 20% lighter version of the original color is **48.7996, 34.1475, 98.6268**, and **11.2317, 5.1385, 41.4741** is the 20% darker color. If you saturate the color by 10%, you get **24.3396, 12.5227, 78.2254**, and if you desaturate by 10%, it is **31.9973, 21.0463, 79.4670**.

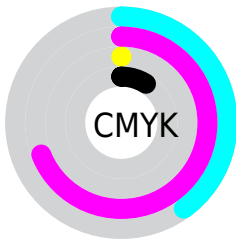
Distribution



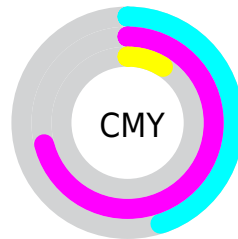
- Red (55%)
- Green (29%)
- Blue (91%)



- Red (55%)
- Yellow (29%)
- Blue (91%)



- Cyan (40%)
- Magenta (69%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (71%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7380, 16.1372, 78.7436 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 27.7380, 16.1372, 78.7436 by changing the saturation by 10% instead.

■ 27.7380, 16.1372,
78.7436

■ 27.7380, 16.1372,
78.7436

283.3157,
230.1499, 510.2832

■ 18.2677, 9.6213,
58.1650

■ 55.4774, 36.8362,
133.3932

■ 11.2432, 5.1486,
41.5257

■ 74.4773, 51.7881,
168.3013

■ 6.2992, 2.3347,
28.4073

■ 97.3844, 70.3208,
208.8229

■ 3.0702, 0.7920,
18.3912

■ 124.5641, 92.8187,
255.3766

■ 1.1910, 0.0000,
11.0589

■ 156.3817,
119.6662, 308.3810

■ 0.0992, 0.0000,
5.9918

193.2026,

■ 0.0000, 0.0000,

151.2476, 368.2545

2.7714

235.3921,
187.9474, 435.4157

■ 0.0000, 0.0000,
0.9791

■ 0.0000, 0.0000,
0.0000

■ 27.7380, 16.1372,
78.7436

■ 27.7380, 16.1372,
78.7436

■ 24.3396, 12.5227,
78.2254

■ 31.9973, 21.0463,
79.4670

■ 21.7212, 10.0603,
77.8881


■ 37.1824, 27.3685,
80.4140

■ 19.7722, 8.5438,
77.6981


■ 43.3540, 35.2099,
81.6023


■ 19.5444, 8.3765,
77.6778


■ 50.5666, 44.6659,
83.0473

 58.8703, 55.8238,
84.7634

 68.3117, 68.7646,
86.7636

 78.9346, 83.5640,
89.0603

 89.3605, 97.4530,
91.1916

 91.7080, 98.6632,
91.3015

Harmonies

Analogous

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



18.2341, 16.1372, 108.5172



27.7380, 16.1372, 78.7436



35.1831, 16.1372, 37.6192

Triad

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



27.7380, 16.1372, 78.7436



21.2926, 16.1372, 0.0000



4.5332, 16.1372, 26.6097

Complementary

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



27.7380, 16.1372, 78.7436



46.2772, 66.9742, 16.7917

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.



4.8477, 16.1372, 6.3190



27.7380, 16.1372, 78.7436



12.7659, 16.1372, 0.0000

Square

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



27.7380, 16.1372, 78.7436



30.6437, 16.1372, 1.6458



7.3251, 16.1372, 0.7456



6.2284, 16.1372, 64.9077

Rectangle

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



27.7380, 16.1372, 78.7436



36.8322, 16.1372, 17.5089



7.3251, 16.1372, 0.7456



4.4272, 16.1372, 17.6326

Sweetspot

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



27.7388, 16.1377, 78.7440



69.6400, 64.9774, 103.4792



31.6438, 35.6758, 82.3094



14.2911, 13.0798, 22.0214



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.



27.7388, 16.1377, 78.7440



28.5637, 14.0846, 95.8209



45.7060, 25.4001, 79.5849



14.8198, 14.8524, 19.0080



11.2229, 4.8215, 44.0821



0.9882, 0.4337, 3.4665

Inverse Universe

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



42.9617, 24.8787, 39.0952



49.3502, 26.0610, 39.8380



34.4615, 60.8830, 16.2387



15.4367, 15.2025, 17.5850



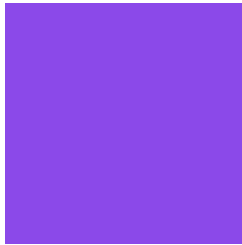
21.6882, 10.8780, 14.6912



1.7507, 0.8732, 1.4046

Previews

White Background



This preview shows how the XYZ color 27.7380, 16.1372, 78.7436 looks on a white background.

Color Contrast Check

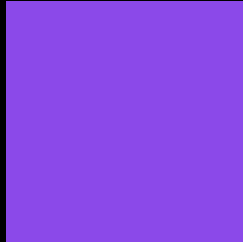
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7380, 16.1372, 78.7436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

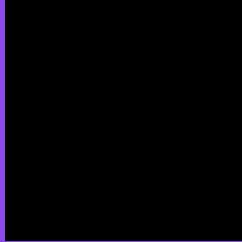
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7380, 16.1372, 78.7436

Background



This preview shows how black text looks on a background with the XYZ color 27.7380, 16.1372, 78.7436.



This preview shows how white text looks on a background with the XYZ color 27.7380, 16.1372,

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

27.7380, 16.1372, 78.7436

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.2104, 16.1118, 55.6816



Tritanopia

15.8451, 16.0612, 19.7178

Trichromacy



Original Color

27.7380, 16.1372, 78.7436



Protanomaly

19.7404, 14.6014, 76.6408



Deuteranomaly

17.5850, 14.3306, 63.4673



Tritanomaly

18.7882, 15.2984, 35.2203

Monochromacy



Original Color

27.7380, 16.1372, 78.7436



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.0762, 14.9809, 32.9492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7380, 16.1372, 78.7436 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(139, 73, 233)` looks like.

```
.text, #text, p{  
    color:rgb(139, 73, 233)  
}
```

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(139, 73, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 73, 233) }
```

Border

The CSS property to change the border of an element to XYZ 27.7380, 16.1372, 78.7436 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(139, 73, 233) }
```


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

```
.border{ border-color:rgb(139, 73, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 73, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 73, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 73, 233);  
box-shadow:4px 4px 4px 4px rgb(139, 73,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7380, 16.1372, 78.7436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 73, 233) }
```

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

```
.background{ background-color: rgb(139, 73,  
233) }
```

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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