

# Converting Colors

XYZ(27.1271, 16.2353, 73.6555)

Have a look what the booklet for  
XYZ(27.1271, 16.2353, 73.6555)  
contains.

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# Color

**XYZ(27.1271, 16.2353,  
73.6555)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C4CE2
RGB	140, 76, 226
RGB Percent	55%, 30%, 89%
CMY	0.4510, 0.7020, 0.1137
CMYK	0.38, 0.66, 0.00, 0.11
HSL	266°, 72%, 59%
HSV	266°, 66%, 89%
XYZ	27.1271, 16.2353, 73.6555
YIQ	112.2360, -10.0060, 60.2180

# Conversions

## Conversions Part 2

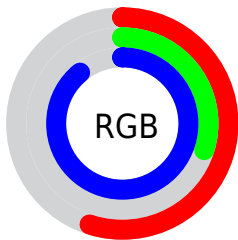
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 76, 226
Decimal	9194722
CIE <sub>Lab</sub>	47.28, 56.43, -66.46
CIE <sub>LCh</sub>	47, 87.188, 310.335
Yxy	16.2353, 0.2318, 0.1387
Android (android.graphics.Color)	4287384802 (0xFF8C4CE2)
YUV	112.2360, 56.0857, 24.3490
Hunter-Lab	40.2931, 49.6614, -80.1767

# Details

The XYZ color **27.1271, 16.2353, 73.6555** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **43.4010, 62.5960, 16.6325**, and the grayscale version is **15.3136, 16.1111, 17.5450**.

A 20% lighter version of the original color is **49.4534, 35.0626, 98.7690**, and **10.9172, 5.1879, 38.4562** is the 20% darker color. If you saturate the color by 10%, you get **23.7784, 12.5896, 73.1286**, and if you desaturate by 10%, it is **31.2811, 21.1078, 74.3774**.

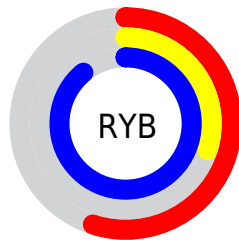
# Distribution



Red (55%)

Green (30%)

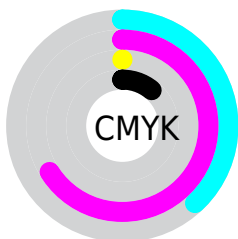
Blue (89%)



Red (55%)

Yellow (30%)

Blue (89%)

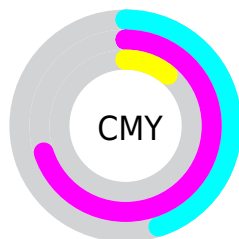


Cyan (38%)

Magenta (66%)

Yellow (0%)

Black (11%)



Cyan (45%)

Magenta (70%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1271, 16.2353, 73.6555 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 27.1271, 16.2353, 73.6555 by changing the saturation by 10% instead.



27.1271, 16.2353,  
73.6555

27.1271, 16.2353,  
73.6555

280.4283,  
230.7262, 492.4151

17.8058, 9.6908,  
54.0170

54.5062, 37.0062,  
126.1369

10.9095, 5.1944,  
38.2220

73.2947, 52.0014,  
159.8168

6.0728, 2.3618,  
25.8519

95.9696, 70.5823,  
199.0144

2.9305, 0.8061,  
16.4881

122.8964, 93.1334,  
244.1481

1.1171, 0.0000,  
9.7121

154.4402,  
120.0388, 295.6365

0.0394, 0.0000,  
5.1054

190.9666,

0.0000, 0.0000,

151.6832, 353.8981

2.2494

232.8409,  
188.4509, 419.3515

■ 0.0000, 0.0000,  
0.7027

■ 0.0000, 0.0000,  
0.0000

■ 27.1271, 16.2353,  
73.6555

■ 27.1271, 16.2353,  
73.6555

■ 23.7784, 12.5896,  
73.1286

■ 31.2811, 21.1078,  
74.3774

■ 21.1635, 10.0441,  
72.7751

■ 36.2980, 27.3128,  
75.3107

■ 19.1983, 8.4434,  
72.5698

■ 42.2322, 34.9462,  
76.4713

■ 18.5969, 8.0013,  
72.5161

■ 49.1324, 44.0941,  
77.8733

57.0440, 54.8359,  
79.5297

66.0089, 67.2452,  
81.4525

76.0668, 81.3910,  
83.6528

86.6776, 96.1832,  
85.9487

90.7275, 98.2710,  
86.1382

# Harmonies

## Analogous

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



18.2410, 16.2353, 100.7333



27.1271, 16.2353, 73.6555



33.9807, 16.2353, 36.1179

# Triad

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



27.1271, 16.2353, 73.6555



20.9657, 16.2353, 0.0000



4.9716, 16.2353, 26.4223

# Complementary

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



27.1271, 16.2353, 73.6555



43.4010, 62.5960, 16.6325

# 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.



5.2702, 16.2353, 6.9074



27.1271, 16.2353, 73.6555



12.9258, 16.2353, 0.0000

# Square

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



27.1271, 16.2353, 73.6555



29.6826, 16.2353, 1.9890



7.6983, 16.2353, 1.0555



6.6766, 16.2353, 61.7410



# Rectangle

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



27.1271, 16.2353, 73.6555



35.4621, 16.2353, 17.4310



7.6983, 16.2353, 1.0555



4.8598, 16.2353, 17.9263

# Sweetspot

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



27.1279, 16.2358, 73.6559



70.9320, 66.5359, 103.7119



29.8944, 33.4002, 76.8231



14.5539, 13.3885, 22.0671



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.



27.1279, 16.2358, 73.6559



29.7223, 14.9946, 95.9355



43.8981, 24.8812, 74.4407



13.5038, 13.5277, 17.2871



10.7391, 4.6315, 41.3763



0.8452, 0.3730, 2.8727



# Inverse Universe

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



40.4701, 23.9465, 36.6707



49.4876, 26.4532, 39.5222



32.5732, 57.0141, 16.1257



14.0349, 13.8316, 15.9540



20.2360, 10.1614, 13.1746

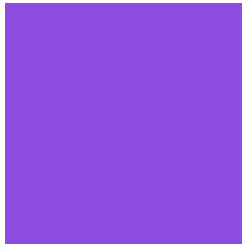


1.4472, 0.7222, 1.1478



# Previews

## White Background



This preview shows how the XYZ color 27.1271, 16.2353, 73.6555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

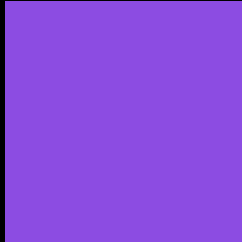
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.1271, 16.2353, 73.6555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

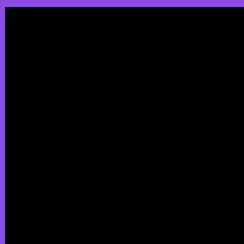
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 27.1271, 16.2353, 73.6555**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1271, 16.2353, 73.6555.



This preview shows how white text looks on a background with the XYZ color 27.1271, 16.2353,



# 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

27.1271, 16.2353, 73.6555

### Protanopia

19.5054, 16.3823, 76.2628

### Deuteranopia

16.5561, 16.4316, 56.9426



## Tritanopia

16.1821, 16.2418, 19.4216

# Trichromacy



## Original Color

27.1271, 16.2353, 73.6555



## Protanomaly

19.5517, 14.6710, 75.2001



## Deuteranomaly

17.5275, 14.6146, 62.2187



## Tritanomaly

18.9109, 15.5297, 33.8991

# Monochromacy



## Original Color

27.1271, 16.2353, 73.6555



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

18.2376, 15.3612, 32.1408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1271, 16.2353, 73.6555 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(140, 76, 226)` looks like.

```
.text, #text, p{  
    color:rgb(140, 76, 226)  
}
```

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(140, 76, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 76, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1271, 16.2353, 73.6555 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(140, 76, 226) }
```



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

```
.border{ border-color:rgb(140, 76, 226) }
```

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

Here you see how a box with a 4 pixel rgb(140, 76, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 76, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 76, 226);  
box-shadow:4px 4px 4px 4px rgb(140, 76,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1271, 16.2353, 73.6555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 76, 226) }
```

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

```
.background{ background-color: rgb(140, 76,  
226) }
```

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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