

Converting Colors

XYZ(27.6419, 22.4732, 68.5271)

Have a look what the booklet for
XYZ(27.6419, 22.4732, 68.5271)
contains.

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Color

**XYZ(27.6070, 22.4022,
68.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	7E76D9
RGB	126, 118, 217
RGB Percent	49%, 46%, 85%
CMY	0.5059, 0.5372, 0.1490
CMYK	0.42, 0.46, 0.00, 0.15
HSL	245°, 57%, 66%
HSV	245°, 46%, 85%
XYZ	27.6070, 22.4022, 68.5147
YIQ	131.6780, -27.0110, 32.4850

Conversions

Conversions Part 2

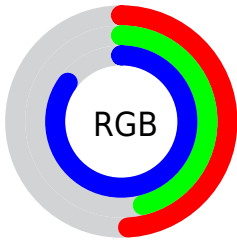
Format	Color
R_{YB}	126, 118, 217
Decimal	8287961
CIE _{Lab}	54.45, 27.46, -49.92
CIE _{LCh}	54, 56.971, 298.816
Yxy	22.4022, 0.2329, 0.1890
Android (android.graphics.Color)	4286478041 (0xFF7E76D9)
YUV	131.6780, 42.0637, -4.9796
Hunter-Lab	47.3310, 21.2855, -52.6945

Details

The XYZ color **27.6070, 22.4022, 68.5147** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **54.3772, 64.4892, 26.7217**, and the grayscale version is **21.6776, 22.8065, 24.8363**.

A 20% lighter version of the original color is **51.7161, 45.9145, 100.7444**, and **11.1490, 8.2556, 34.7241** is the 20% darker color. If you saturate the color by 10%, you get **22.6857, 16.4984, 67.6350**, and if you desaturate by 10%, it is **33.7042, 29.7853, 69.6189**.

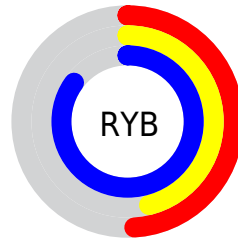
Distribution



Red (49%)

Green (46%)

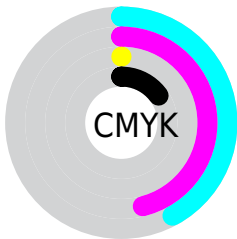
Blue (85%)



Red (49%)

Yellow (46%)

Blue (85%)

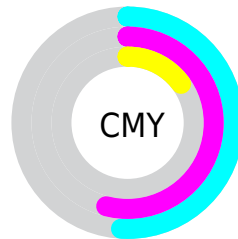


Cyan (42%)

Magenta (46%)

Yellow (0%)

Black (15%)



Cyan (51%)

Magenta (54%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6070, 22.4022, 68.5147 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 27.6070, 22.4022, 68.5147 by changing the saturation by 10% instead.

■ 27.6070, 22.4022,
68.5147

■ 27.6070, 22.4022,
68.5147

282.6985,
264.6395, 473.9650

■ 18.1686, 14.1527,
49.8473

■ 55.2694, 47.4099,
118.7493

■ 11.1715, 8.2270,
34.9217

■ 74.2241, 64.9368,
151.1536

■ 6.2504, 4.2405,
23.3195

■ 97.0816, 86.3251,
188.9739

■ 3.0401, 1.8090,
14.6221

124.2073,
111.9590, 232.6288

■ 1.1750, 0.4928,
8.4109

155.9664,
142.2230, 282.5368

■ 0.0865, 0.0000,
4.2675

192.7244,

■ 0.0000, 0.0000,

177.5015, 339.1165

1.7732

234.8467,
218.1789, 402.7864

■ 0.0000, 0.0000,
0.4102

■ 0.0000, 0.0000,
0.0000

■ 27.6070, 22.4022,
68.5147

■ 27.6070, 22.4022,
68.5147

■ 22.6857, 16.4984,
67.6350

■ 33.7042, 29.7853,
69.6189

■ 18.8617, 11.9718,
66.9628

■ 41.0438, 38.7360,
70.9597

■ 16.0511, 8.7111,
66.4816

■ 49.6903, 49.3382,
72.5504

■ 14.1564, 6.5863,
66.1713

■ 59.7033, 61.6693,
74.4028

■ 13.0606, 5.4393,
66.0077

■ 71.1383, 75.8017,
76.5279

■ 12.7654, 5.1340,
65.9643

■ 84.0480, 91.8040,
78.9363

■ 89.5245, 97.7898,
79.8030

Harmonies

Analogous

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



21.0459, 22.4022, 77.3126



27.6070, 22.4022, 68.5147



33.2787, 22.4022, 46.8290

Triad

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



27.6070, 22.4022, 68.5147



28.1202, 22.4022, 5.2357



11.4179, 22.4022, 23.6897

Complementary

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



27.6070, 22.4022, 68.5147



54.3772, 64.4892, 26.7217

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.



12.5976, 22.4022, 10.5873



27.6070, 22.4022, 68.5147



21.5413, 22.4022, 3.6536

Square

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



27.6070, 22.4022, 68.5147



33.6134, 22.4022, 11.3073



16.0229, 22.4022, 4.9855



12.4239, 22.4022, 44.9567

Rectangle

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



27.6070, 22.4022, 68.5147



35.3457, 22.4022, 31.6733



16.0229, 22.4022, 4.9855



11.5671, 22.4022, 18.3223

Sweetspot

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



27.6079, 22.4030, 68.5152



73.6410, 73.5987, 104.9324



43.1416, 55.1528, 74.0179



15.1325, 14.9791, 22.3436



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.



27.6079, 22.4030, 68.5152



32.7693, 23.8668, 97.4874



36.4812, 26.9774, 68.9305



12.4357, 12.6672, 16.4417



7.7630, 3.1261, 39.9327



0.5376, 0.2204, 2.5887

Inverse Universe

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



46.6025, 32.3125, 64.1012



63.6203, 39.9757, 89.6830



42.7612, 58.5009, 26.1781



13.5666, 13.2557, 16.2450



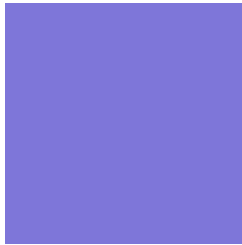
23.6135, 11.4464, 33.9405



1.5435, 0.7471, 2.2712

Previews

White Background



This preview shows how the XYZ color 27.6070, 22.4022, 68.5147 looks on a white background.

Color Contrast Check

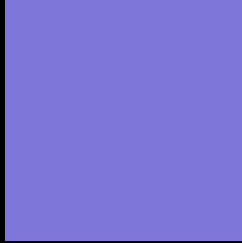
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6070, 22.4022, 68.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

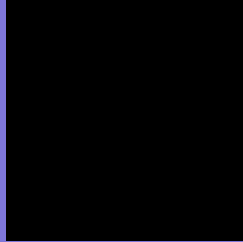
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6070, 22.4022, 68.5147

Background



This preview shows how black text looks on a background with the XYZ color 27.6070, 22.4022, 68.5147.



This preview shows how white text looks on a background with the XYZ color 27.6070, 22.4022,

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

27.6070, 22.4022, 68.5147

Protanopia

25.0177, 22.5934, 74.2766

Deuteranopia

23.2344, 22.6241, 66.7606



Tritanopia

19.8203, 22.2827, 30.0444

Trichromacy



Original Color

27.6070, 22.4022, 68.5147

Protanomaly

25.7593, 22.4559, 72.0840

Deuteranomaly

24.3427, 22.2077, 67.2935

Tritanomaly

22.1401, 22.0235, 41.6121

Monochromacy



Original Color

27.6070, 22.4022, 68.5147

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.4062, 22.5689, 37.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6070, 22.4022, 68.5147 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(126, 118, 217)` looks like.

```
.text, #text, p{  
    color:rgb(126, 118, 217)  
}
```

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(126, 118, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 118, 217) }
```

Border

The CSS property to change the border of an element to XYZ 27.6070, 22.4022, 68.5147 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(126, 118, 217) }
```


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

```
.border{ border-color:rgb(126, 118, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 118, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 118, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 118, 217);  
box-shadow:4px 4px 4px 4px rgb(126, 118,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6070, 22.4022, 68.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 118, 217) }
```

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

```
.background{ background-color: rgb(126,  
118, 217) }
```

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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