

Converting Colors

XYZ(27.1444, 15.5979, 76.4166)

Have a look what the booklet for
XYZ(27.1444, 15.5979, 76.4166)
contains.

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Color

**XYZ(27.1205, 15.5825,
76.4412)**

Conversions

Conversions Part 1

Format	Color
Hex	8B46E6
RGB	139, 70, 230
RGB Percent	55%, 27%, 90%
CMY	0.4549, 0.7255, 0.0980
CMYK	0.40, 0.70, 0.00, 0.10
HSL	266°, 76%, 59%
HSV	266°, 70%, 90%
XYZ	27.1205, 15.5825, 76.4412
YIQ	108.8710, -10.2360, 64.3880

Conversions

Conversions Part 2

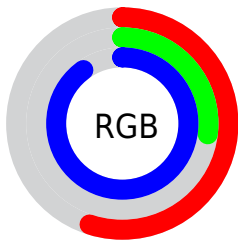
Format	Color
R_{YB}	139, 70, 230
Decimal	9127654
CIE _{Lab}	46.42, 60.11, -70.13
CIE _{LCh}	46, 92.367, 310.602
Yxy	15.5825, 0.2276, 0.1308
Android (android.graphics.Color)	4287317734 (0xFF8B46E6)
YUV	108.8710, 59.7166, 26.4231
Hunter-Lab	39.4747, 53.5551, -87.1805

Details

The XYZ color **27.1205, 15.5825, 76.4412** 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 **44.1002, 64.6130, 15.9419**, and the grayscale version is **14.3385, 15.0852, 16.4278**.

A 20% lighter version of the original color is **48.4217, 33.3917, 98.5009**, and **10.8650, 4.8748, 39.9034** is the 20% darker color. If you saturate the color by 10%, you get **23.8923, 12.1761, 75.9542**, and if you desaturate by 10%, it is **31.1622, 20.2258, 77.1248**.

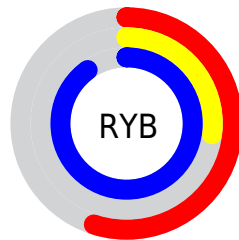
Distribution



Red (55%)

Green (27%)

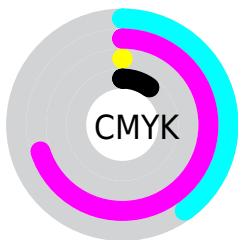
Blue (90%)



Red (55%)

Yellow (27%)

Blue (90%)

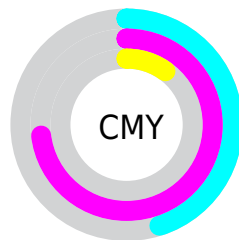


Cyan (40%)

Magenta (70%)

Yellow (0%)

Black (10%)



Cyan (45%)

Magenta (73%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1205, 15.5825, 76.4412 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 27.1205, 15.5825, 76.4412 by changing the saturation by 10% instead.

■ 27.1205, 15.5825,
76.4412

■ 27.1205, 15.5825,
76.4412

280.3970,
226.8654, 502.2436

■ 17.8008, 9.2292,
56.2855

■ 54.4957, 35.8719,
130.1162

■ 10.9059, 4.8910,
40.0264

■ 73.2819, 50.5767,
164.4726

■ 6.0704, 2.1834,
27.2452

■ 95.9543, 68.8343,
204.3996

■ 2.9290, 0.7109,
17.5234

■ 122.8783, 91.0288,
250.3159

■ 1.1163, 0.0000,
10.4425

■ 154.4192,
117.5448, 302.6399

■ 0.0387, 0.0000,
5.5839

190.9424,

■ 0.0000, 0.0000,

148.7666, 361.7901

2.5291

232.8132,
185.0787, 428.1852

■ 0.0000, 0.0000,
0.8555

■ 0.0000, 0.0000,
0.0000

■ 27.1205, 15.5825,
76.4412

■ 27.1205, 15.5825,
76.4412

■ 23.8923, 12.1761,
75.9542

■ 31.1622, 20.2258,
77.1248

■ 21.3993, 9.8667,
75.6398

■ 36.0801, 26.2215,
78.0229

■ 19.5230, 8.4306,
75.4615

■ 41.9325, 33.6731,
79.1527

■ 19.4495, 8.3766,
75.4550

■ 48.7719, 42.6734,
80.5295

■ 56.6462, 53.3071,
82.1669

■ 65.6002, 65.6527,
84.0780

■ 75.6759, 79.7836,
86.2745

■ 86.9127, 95.7689,
88.7677

■ 91.2830, 98.4932,
89.0632

Harmonies

Analogous

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



17.7980, 15.5825, 106.3138



27.1205, 15.5825, 76.4412



34.3598, 15.5825, 36.0045

Triad

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



27.1205, 15.5825, 76.4412



20.4764, 15.5825, 0.0000



4.3078, 15.5825, 26.3396

Complementary

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



27.1205, 15.5825, 76.4412



44.1002, 64.6130, 15.9419

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.



4.5792, 15.5825, 6.2005



27.1205, 15.5825, 76.4412



12.1779, 15.5825, 0.0000

Square

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



27.1205, 15.5825, 76.4412



29.6727, 15.5825, 1.4597



6.9365, 15.5825, 0.6927



5.9859, 15.5825, 64.2319

Rectangle

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



27.1205, 15.5825, 76.4412



35.8981, 15.5825, 16.5121



6.9365, 15.5825, 0.6927



4.1949, 15.5825, 17.4296

Sweetspot

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



27.1213, 15.5830, 76.4416



69.9511, 65.1378, 103.4938



29.9655, 33.3286, 79.7169



14.3647, 13.1177, 22.0248



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.



27.1213, 15.5830, 76.4416



28.8584, 14.0933, 95.8070



44.9897, 24.7945, 77.2778



14.1694, 14.1895, 18.1364



11.1452, 4.8115, 42.7245



0.9283, 0.4095, 3.1621

Inverse Universe

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



41.2564, 23.7768, 36.1325



48.7925, 25.6836, 37.3767



32.9994, 58.8904, 15.4224



14.7187, 14.5047, 16.7191



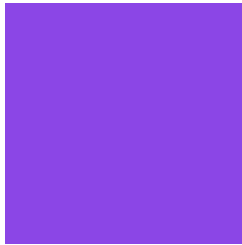
20.8495, 10.4740, 13.3685



1.5871, 0.7925, 1.2321

Previews

White Background



This preview shows how the XYZ color 27.1205, 15.5825, 76.4412 looks on a white background.

Color Contrast Check

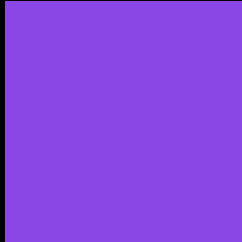
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1205, 15.5825, 76.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

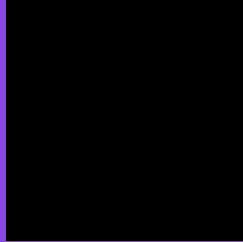
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1205, 15.5825, 76.4412

Background



This preview shows how black text looks on a background with the XYZ color 27.1205, 15.5825, 76.4412.



This preview shows how white text looks on a background with the XYZ color 27.1205, 15.5825,

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

27.1205, 15.5825, 76.4412

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

15.7555, 15.7504, 53.8395



Tritanopia

15.4544, 15.5635, 18.7125

Trichromacy



Original Color

27.1205, 15.5825, 76.4412



Protanomaly

19.0071, 14.0235, 73.6565



Deuteranomaly

17.0251, 13.8073, 61.4423



Tritanomaly

18.2569, 14.6507, 33.7639

Monochromacy



Original Color

27.1205, 15.5825, 76.4412



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

17.5877, 14.4774, 32.0044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1205, 15.5825, 76.4412 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, 70, 230)` looks like.

```
.text, #text, p{  
    color:rgb(139, 70, 230)  
}
```

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, 70, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 70, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.1205, 15.5825, 76.4412 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, 70, 230) }
```


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

```
.border{ border-color:rgb(139, 70, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 70, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 70, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 70, 230);  
box-shadow:4px 4px 4px 4px rgb(139, 70,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1205, 15.5825, 76.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 70, 230) }
```

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

```
.background{ background-color: rgb(139, 70,  
230) }
```

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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