

Converting Colors

XYZ(38.0739, 27.8310, 75.3581)

Have a look what the booklet for
XYZ(38.0739, 27.8310, 75.3581)
contains.

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Color

**XYZ(38.0035, 27.7986,
75.3142)**

Conversions

Conversions Part 1

Format	Color
Hex	AF77E2
RGB	175, 119, 226
RGB Percent	69%, 47%, 89%
CMY	0.3137, 0.5333, 0.1137
CMYK	0.23, 0.47, 0.00, 0.11
HSL	271°, 65%, 68%
HSV	271°, 47%, 89%
XYZ	38.0035, 27.7986, 75.3142
YIQ	147.9420, -0.9710, 45.1490

Conversions

Conversions Part 2

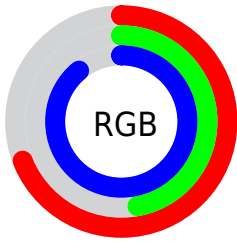
Format	Color
R_{YB}	175, 119, 226
Decimal	11499490
CIE _{Lab}	59.71, 42.03, -46.35
CIE _{LCh}	60, 62.569, 312.205
Yxy	27.7986, 0.2693, 0.1970
Android (android.graphics.Color)	4289689570 (0xFFAF77E2)
YUV	147.9420, 38.4826, 23.7299
Hunter-Lab	52.7244, 36.3944, -47.7858

Details

The XYZ color **38.0035, 27.7986, 75.3142** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.1044, 64.2713, 27.3767**, and the grayscale version is **27.9701, 29.4268, 32.0457**.

A 20% lighter version of the original color is **66.0812, 53.8809, 101.5249**, and **17.0685, 11.0296, 39.2595** is the 20% darker color. If you saturate the color by 10%, you get **33.3048, 21.8476, 74.4137**, and if you desaturate by 10%, it is **43.5366, 35.1301, 76.4382**.

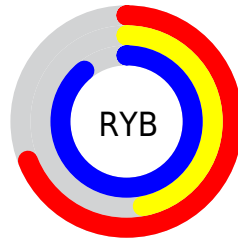
Distribution



Red (69%)

Green (47%)

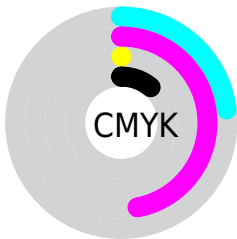
Blue (89%)



Red (69%)

Yellow (47%)

Blue (89%)

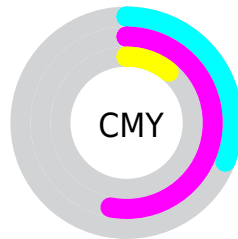


Cyan (23%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (31%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0035, 27.7986, 75.3142 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 38.0035, 27.7986, 75.3142 by changing the saturation by 10% instead.


 38.0035, 27.7986,
75.3142


 38.0035, 27.7986,
75.3142

328.9156,
291.5033, 498.2810


 26.1626, 18.1739,
55.3671


 71.4174, 56.1627,
128.5082

 17.0787, 11.0749,
39.2951


 93.7211, 75.6710,
162.5922

 10.3862, 6.1172,
26.6798


 120.2431, 99.2425,
202.2255

 5.7200, 2.9165,
17.1026

151.3488,
127.2617, 247.8266

 2.7146, 1.0883,
10.1449

187.4036,
160.1130, 299.8142

 1.0047, 0.0000,
5.3883

228.7727,

 0.0000, 0.0000,

198.1807, 358.6068

2.4141

275.8216,
241.8494, 424.6229

■ 0.0000, 0.0000,
0.7941

■ 0.0000, 0.0000,
0.0000

■ 38.0035, 27.7986,
75.3142

■ 38.0035, 27.7986,
75.3142

■ 33.3048, 21.8476,
74.4137

■ 43.5366, 35.1301,
76.4382

■ 29.3869, 17.1794,
73.7191

■ 49.9468, 43.9239,
77.7977

■ 26.1939, 13.6882,
73.2135

■ 57.2773, 54.2596,
79.4063

■ 23.6597, 11.2491,
72.8763

■ 65.5675, 66.2095,
81.2759

■ 21.6980, 9.6967,
72.6800

■ 74.8542, 79.8415,
83.4177

■ 21.2372, 9.3624,
72.6398

■ 85.1722, 95.2196,
85.8422

■ 89.0574, 97.4100,
86.0602

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



29.7669, 27.7986, 95.8567



38.0035, 27.7986, 75.3142



43.6958, 27.7986, 45.6142

Triad

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



38.0035, 27.7986, 75.3142



31.3440, 27.7986, 4.8615



14.1768, 27.7986, 40.4342

Complementary

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



38.0035, 27.7986, 75.3142



47.1044, 64.2713, 27.3767

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.



14.4316, 27.7986, 18.8192



38.0035, 27.7986, 75.3142



23.3371, 27.7986, 4.5441

Square

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



38.0035, 27.7986, 75.3142



39.3546, 27.7986, 9.4325



17.4703, 27.7986, 8.1190



16.6869, 27.7986, 69.9361

Rectangle

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



38.0035, 27.7986, 75.3142



44.7046, 27.7986, 28.6238



17.4703, 27.7986, 8.1190



13.9586, 27.7986, 31.9739

Sweetspot

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



38.0046, 27.7997, 75.3148



78.7145, 76.2141, 105.1698



35.8456, 38.4328, 77.4810



16.3583, 15.6110, 22.4010



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.



38.0046, 27.7997, 75.3148



43.7705, 28.7008, 97.8406



51.4455, 34.7569, 74.6730



13.6332, 13.5944, 17.2931



12.2539, 5.4124, 41.4472



0.9526, 0.4284, 2.8777

Inverse Universe

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



45.2173, 32.2656, 41.8755



54.9076, 35.5882, 46.5849



38.2428, 59.6905, 27.5264



13.9779, 13.8088, 15.6539



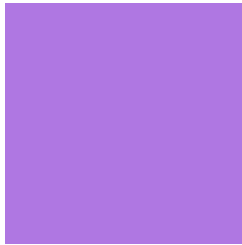
19.4881, 9.8622, 9.2358



1.3958, 0.7016, 0.8773

Previews

White Background



This preview shows how the XYZ color 38.0035, 27.7986, 75.3142 looks on a white background.

Color Contrast Check

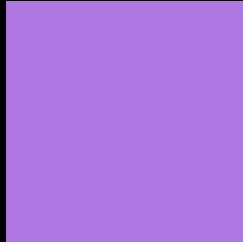
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0035, 27.7986, 75.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

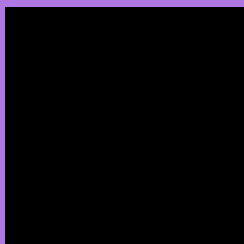
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0035, 27.7986, 75.3142

Background



This preview shows how black text looks on a background with the XYZ color 38.0035, 27.7986, 75.3142.



This preview shows how white text looks on a background with the XYZ color 38.0035, 27.7986,

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

38.0035, 27.7986, 75.3142

Protanopia

31.3050, 28.3562, 91.0121

Deuteranopia

28.9683, 28.2311, 72.3290



Tritanopia

29.1912, 27.7108, 31.8272

Trichromacy



Original Color

38.0035, 27.7986, 75.3142



Protanomaly

32.7199, 27.5191, 85.2485



Deuteranomaly

31.3433, 27.4810, 73.4644



Tritanomaly

31.7555, 27.3153, 44.6730

Monochromacy



Original Color

38.0035, 27.7986, 75.3142



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

30.8827, 28.2950, 44.9081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0035, 27.7986, 75.3142 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(175, 119, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 119, 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(175, 119, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 119, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.0035, 27.7986, 75.3142 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(175, 119, 226) }
```


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

```
.border{ border-color:rgb(175, 119, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 119, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 119, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 119, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 119,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0035, 27.7986, 75.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 119, 226) }
```

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

```
.background{ background-color: rgb(175,  
119, 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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