

Converting Colors

XYZ(16.1915, 12.4645, 27.1440)

Have a look what the booklet for
XYZ(16.1915, 12.4645, 27.1440)
contains.

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Color

**XYZ(16.2212, 12.5046,
27.1499)**

Conversions

Conversions Part 1

Format	Color
Hex	7B548E
RGB	123, 84, 142
RGB Percent	48%, 33%, 56%
CMY	0.5176, 0.6706, 0.4431
CMYK	0.13, 0.41, 0.00, 0.44
HSL	280°, 26%, 44%
HSV	280°, 41%, 56%
XYZ	16.2212, 12.5046, 27.1499
YIQ	102.2730, 4.6260, 26.3060

Conversions

Conversions Part 2

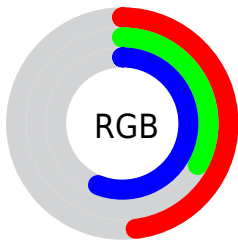
Format	Color
R_{YB}	123, 84, 142
Decimal	8082574
CIE _{Lab}	42.01, 27.31, -25.87
CIE _{LCh}	42, 37.620, 316.554
Yxy	12.5046, 0.2903, 0.2238
Android (android.graphics.Color)	4286272654 (0xFF7B548E)
YUV	102.2730, 19.5854, 18.1776
Hunter-Lab	35.3618, 19.9984, -20.7680

Details

The XYZ color **16.2212, 12.5046, 27.1499** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.8672, 22.8700, 11.9134**, and the grayscale version is **12.6506, 13.3094, 14.4939**.

A 20% lighter version of the original color is **36.3934, 30.2658, 56.1483**, and **5.2975, 3.4949, 10.2929** is the 20% darker color. If you saturate the color by 10%, you get **14.5791, 10.1847, 26.7889**, and if you desaturate by 10%, it is **18.1192, 15.2887, 27.5874**.

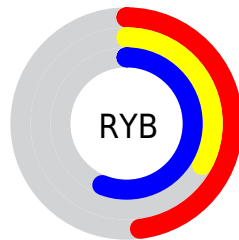
Distribution



Red (48%)

Green (33%)

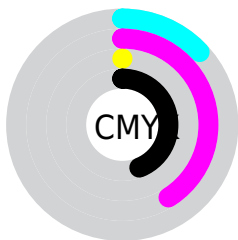
Blue (56%)



Red (48%)

Yellow (33%)

Blue (56%)

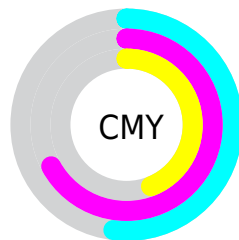


Cyan (13%)

Magenta (41%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (67%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2212, 12.5046, 27.1499 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 16.2212, 12.5046, 27.1499 by changing the saturation by 10% instead.

■ 16.2212, 12.5046,
27.1499

■ 16.2212, 12.5046,
27.1499

223.8883,
207.7178, 302.1653

■ 9.7727, 7.0883,
17.4524

■ 36.5361, 30.4109,
56.1310

■ 5.3096, 3.5174,
10.3922

■ 51.1333, 43.6696,
76.2516

■ 2.4666, 1.4074,
5.5508

■ 69.1773, 60.3113,
100.6838

■ 0.8785, 0.2222,
2.5096

■ 91.0335, 80.7204,
129.8459

■ 0.0000, 0.0000,
0.8452

■ 117.0674,
105.2811, 164.1566

■ 0.0000, 0.0000,
0.0000

147.6443,

134.3781, 204.0343

183.1294,
168.3955, 249.8977

■ 16.2212, 12.5046,
27.1499

■ 16.2212, 12.5046,
27.1499

■ 14.5791, 10.1847,
26.7889

■ 18.1192, 15.2887,
27.5874

■ 13.1777, 8.3002,
26.4990

■ 20.2847, 18.5606,
28.1048

■ 12.0018, 6.8210,
26.2754

■ 22.7301, 22.3440,
28.7062

■ 11.0339, 5.7129,
26.1126

■ 25.4666, 26.6609,
29.3952

■ 10.2536, 4.9356,
26.0037

■ 28.5047, 31.5315,
30.1753

■ 9.6522, 4.4119,
25.9343

■ 31.8544, 36.9754,
31.0495

■ 35.5252, 43.0109,
32.0210

■ 39.5263, 49.6557,
33.0927

■ 43.8662, 56.9267,
34.2674

Harmonies

Analogous

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



13.4802, 12.5046, 34.2916



16.2212, 12.5046, 27.1499



17.9038, 12.5046, 17.5098

Triad

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



16.2212, 12.5046, 27.1499



13.1769, 12.5046, 3.4723



7.4488, 12.5046, 18.4789

Complementary

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



16.2212, 12.5046, 27.1499



16.8672, 22.8700, 11.9134

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.



7.3938, 12.5046, 10.3460



16.2212, 12.5046, 27.1499



10.4213, 12.5046, 3.5597

Square

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



16.2212, 12.5046, 27.1499



15.9694, 12.5046, 5.2295



8.4003, 12.5046, 5.5470



8.5645, 12.5046, 28.0940

Rectangle

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



16.2212, 12.5046, 27.1499



18.0514, 12.5046, 11.9360



8.4003, 12.5046, 5.5470



7.3125, 12.5046, 15.4454

Sweetspot

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



16.2216, 12.5051, 27.1502



39.4454, 38.4074, 50.4623



13.4226, 13.6053, 27.5101



8.7011, 8.4084, 11.2438



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2216, 12.5051, 27.1502



25.9313, 18.2675, 47.2871



18.5137, 13.7670, 23.6314



5.4569, 5.4237, 6.7880



8.6860, 3.9714, 23.2858



0.1063, 0.0500, 0.2237

Inverse Universe

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



16.7742, 13.0712, 14.4713



27.2237, 19.5146, 21.1058



15.3350, 22.0333, 13.9566



5.4772, 5.4514, 6.0109



10.4756, 5.3473, 2.8899



0.1095, 0.0549, 0.0768

Previews

White Background



This preview shows how the XYZ color 16.2212, 12.5046, 27.1499 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

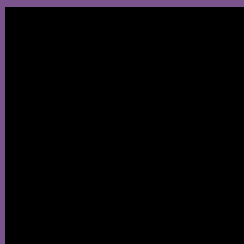
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2212, 12.5046, 27.1499

Background



This preview shows how black text looks on a background with the XYZ color 16.2212, 12.5046, 27.1499.



This preview shows how white text looks on a background with the XYZ color 16.2212, 12.5046,

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

16.2212, 12.5046, 27.1499

Protanopia

13.3419, 12.6975, 31.8847

Deuteranopia

12.8656, 12.5779, 26.1758



Tritanopia

13.5507, 12.5307, 13.7611

Trichromacy



Original Color

16.2212, 12.5046, 27.1499

Protanomaly

14.0585, 12.4315, 30.0923

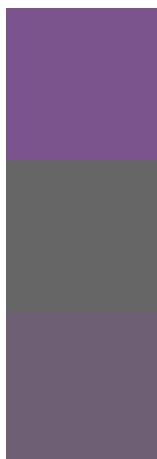
Deuteranomaly

13.7936, 12.3748, 26.4725

Tritanomaly

14.3584, 12.4721, 17.8702

Monochromacy



Original Color

16.2212, 12.5046, 27.1499

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.7335, 12.7838, 18.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2212, 12.5046, 27.1499 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(123, 84, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 84, 142)  
}
```

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(123, 84, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 84, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.2212, 12.5046, 27.1499 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(123, 84, 142) }
```


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

```
.border{ border-color:rgb(123, 84, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 84, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 84, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 84, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 84,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2212, 12.5046, 27.1499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 84, 142) }
```

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

```
.background{ background-color: rgb(123, 84,  
142) }
```

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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