

Converting Colors

XYZ(26.8431, 15.9986, 34.1677)

Have a look what the booklet for
XYZ(26.8431, 15.9986, 34.1677)
contains.

XYZ(26.7102, 15.9488, 34.0184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.7102, 15.9488,
34.0184)**

Conversions

Conversions Part 1

Format	Color
Hex	B3429E
RGB	179, 66, 158
RGB Percent	70%, 26%, 62%
CMY	0.2980, 0.7412, 0.3804
CMYK	0.00, 0.63, 0.12, 0.30
HSL	311°, 46%, 48%
HSV	311°, 63%, 70%
XYZ	26.7102, 15.9488, 34.0184
YIQ	110.2750, 37.8160, 52.5680

Conversions

Conversions Part 2

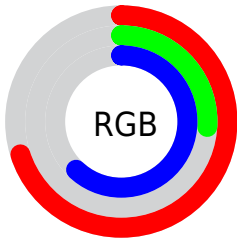
Format	Color
R _Y B	179, 66, 158
Decimal	11747998
CIE _{Lab}	46.91, 56.35, -27.25
CIE _{LCh}	47, 62.595, 334.193
Yxy	15.9488, 0.3483, 0.2080
Android (android.graphics.Color)	4289938078 (0xFFB3429E)
YUV	110.2750, 23.5284, 60.2718
Hunter-Lab	39.9359, 49.4975, -22.5495

Details

The XYZ color **26.7102, 15.9488, 34.0184** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.0880, 34.0872, 14.5389**, and the grayscale version is **14.8276, 15.5998, 16.9882**.

A 20% lighter version of the original color is **53.7727, 36.4834, 67.1587**, and **10.7699, 5.2516, 14.0817** is the 20% darker color. If you saturate the color by 10%, you get **25.5409, 14.0620, 32.2349**, and if you desaturate by 10%, it is **28.2155, 18.4946, 35.9524**.

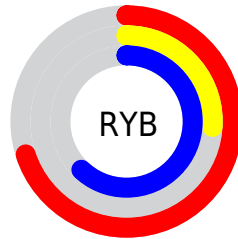
Distribution



Red (70%)

Green (26%)

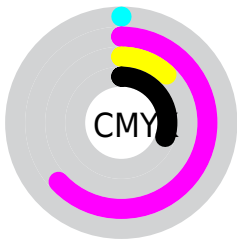
Blue (62%)



Red (70%)

Yellow (26%)

Blue (62%)

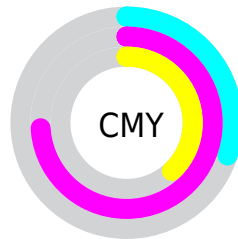


Cyan (0%)

Magenta (63%)

Yellow (12%)

Black (30%)



Cyan (30%)

Magenta (74%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7102, 15.9488, 34.0184 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 26.7102, 15.9488, 34.0184 by changing the saturation by 10% instead.

■ 26.7102, 15.9488,
34.0184

■ 26.7102, 15.9488,
34.0184

278.4444,
229.0394, 334.9857

■ 17.4912, 9.4879,
22.6303

■ 53.8417, 36.5093,
67.0965

■ 10.6828, 5.0608,
14.1180

■ 72.4848, 51.3777,
89.6235

■ 5.9196, 2.2830,
8.0631

■ 95.0000, 69.8174,
116.7006

■ 2.8365, 0.7647,
4.0470

■ 121.7526, 92.2129,
148.7463

■ 1.0679, 0.0000,
1.6512

■ 153.1080,
118.9484, 186.1791

■ 0.0000, 0.0000,
0.3269

189.4315,

■ 0.0000, 0.0000,

150.4084, 229.4176

0.0000

231.0885,
186.9772, 278.8803

■ 26.7102, 15.9488,
34.0184

■ 26.7102, 15.9488,
34.0184

■ 25.5409, 14.0620,
32.2349

■ 28.2155, 18.4946,
35.9524

■ 24.6742, 12.7685,
30.5902

■ 30.0830, 21.7525,
38.0455

■ 24.0727, 11.9930,
29.0714

■ 32.3379, 25.7726,
40.3066

■ 23.7581, 11.6508,
28.0820

■ 35.0027, 30.6000,
42.7435

■ 38.0984, 36.2762,
45.3634

■ 41.6442, 42.8399,
48.1730

■ 45.6584, 50.3273,
51.1787

■ 50.1581, 58.7727,
54.3866

■ 55.1596, 68.2087,
57.8022

Harmonies

Analogous

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



21.8571, 15.9488, 55.9951



26.7102, 15.9488, 34.0184



28.2244, 15.9488, 15.2587

Triad

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



26.7102, 15.9488, 34.0184



14.4042, 15.9488, 1.3277



8.0279, 15.9488, 40.3345

Complementary

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



26.7102, 15.9488, 34.0184



20.0880, 34.0872, 14.5389

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.



6.9143, 15.9488, 19.6579



26.7102, 15.9488, 34.0184



9.9914, 15.9488, 2.4791

Square

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



26.7102, 15.9488, 34.0184



20.2038, 15.9488, 1.9258



7.5358, 15.9488, 7.2897



11.0325, 15.9488, 60.9314

Rectangle

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



26.7102, 15.9488, 34.0184



26.8929, 15.9488, 7.7286



7.5358, 15.9488, 7.2897



7.4577, 15.9488, 32.8307

Sweetspot

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



26.7107, 15.9496, 34.0187



64.7047, 58.4877, 78.2975



13.9899, 9.1647, 43.6798



14.0004, 12.3456, 17.0579



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



26.7107, 15.9496, 34.0187



45.0348, 24.0990, 56.4774



22.9269, 14.4360, 14.0933



8.7809, 8.6191, 10.3448



16.8108, 8.2419, 19.9613



0.5465, 0.2663, 0.7205

Inverse Universe

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



26.7107, 15.9496, 34.0187



45.0348, 24.0990, 56.4774



23.3420, 35.3888, 31.6742



8.7809, 8.6191, 10.3448



16.8108, 8.2419, 19.9613



0.5465, 0.2663, 0.7205

Previews

White Background



This preview shows how the XYZ color 26.7102, 15.9488, 34.0184 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 26.7102, 15.9488, 34.0184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

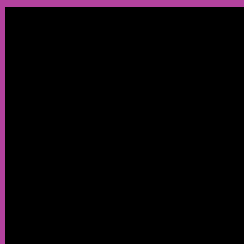
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.7102, 15.9488, 34.0184

Background



This preview shows how black text looks on a background with the XYZ color 26.7102, 15.9488, 34.0184.



This preview shows how white text looks on a background with the XYZ color 26.7102, 15.9488,

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

26.7102, 15.9488, 34.0184

Protanopia

18.0303, 16.2882, 53.2326

Deuteranopia

16.5287, 16.1529, 31.5248



Tritanopia

22.0290, 15.8495, 11.5711

Trichromacy



Original Color

26.7102, 15.9488, 34.0184

Protanomaly

18.9369, 14.6096, 45.5379

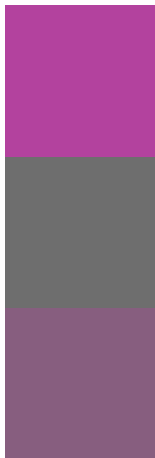
Deuteranomaly

18.8887, 15.0056, 32.4727

Tritanomaly

23.4276, 15.6595, 18.0075

Monochromacy



Original Color

26.7102, 15.9488, 34.0184

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.8251, 14.6886, 21.9744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7102, 15.9488, 34.0184 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(179, 66, 158)` looks like.

```
.text, #text, p{  
    color:rgb(179, 66, 158)  
}
```

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(179, 66, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 66, 158) }
```

Border

The CSS property to change the border of an element to XYZ 26.7102, 15.9488, 34.0184 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(179, 66, 158) }
```


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

```
.border{ border-color:rgb(179, 66, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 66, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 66, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 66, 158);  
box-shadow:4px 4px 4px 4px rgb(179, 66,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7102, 15.9488, 34.0184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 66, 158) }
```

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

```
.background{ background-color: rgb(179, 66,  
158) }
```

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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