

Converting Colors

XYZ(12.6862, 6.3263, 35.2970)

Have a look what the booklet for
XYZ(12.6862, 6.3263, 35.2970)
contains.

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Color

**XYZ(12.6892, 6.3262,
35.2026)**

Conversions

Conversions Part 1

Format	Color
Hex	681AA3
RGB	104, 26, 163
RGB Percent	41%, 10%, 64%
CMY	0.5921, 0.8980, 0.3608
CMYK	0.36, 0.84, 0.00, 0.36
HSL	274°, 72%, 37%
HSV	274°, 84%, 64%
XYZ	12.6892, 6.3262, 35.2026
YIQ	64.9400, 2.5110, 59.1430

Conversions

Conversions Part 2

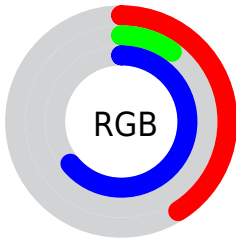
Format	Color
RYB	104, 26, 163
Decimal	6822563
CIELab	30.22, 56.32, -57.58
CIElCh	30, 80.540, 314.367
Yxy	6.3262, 0.2340, 0.1167
Android (android.graphics.Color)	4285012643 (0xFF681AA3)
YUV	64.9400, 48.3436, 34.2556
Hunter-Lab	25.1519, 46.0377, -65.3758

Details

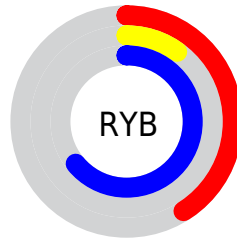
The XYZ color **12.6892, 6.3262, 35.2026** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **17.0298, 28.2003, 5.5230**, and the grayscale version is **4.9441, 5.2016, 5.6645**.

A 20% lighter version of the original color is **30.3007, 18.6226, 69.0153**, and **3.9868, 1.7301, 14.8757** is the 20% darker color. If you saturate the color by 10%, you get **11.6442, 5.3954, 35.0782**, and if you desaturate by 10%, it is **14.0079, 7.7027, 35.3989**.

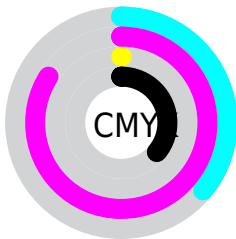
Distribution



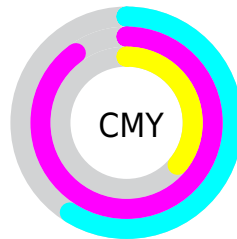
- Red (41%)
- Green (10%)
- Blue (64%)



- Red (41%)
- Yellow (10%)
- Blue (64%)



- Cyan (36%)
- Magenta (84%)
- Yellow (0%)
- Black (36%)



- Cyan (59%)
- Magenta (90%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6892, 6.3262, 35.2026 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 12.6892, 6.3262, 35.2026 by changing the saturation by 10% instead.

12.6892, 6.3262,
35.2026

12.6892, 6.3262,
35.2026

202.5942,
161.9414, 340.3931

7.2904, 3.0444,
23.5342

30.3504, 18.6043,
68.9546

3.6923, 1.1550,
14.7794

43.3434, 28.3693,
91.8753

1.5296, 0.0245,
8.5198

59.5987, 41.0643,
119.3839

0.3458, 0.0000,
4.3368

79.4814, 57.0736,
151.8988

0.0000, 0.0000,
1.8119

103.3569, 76.7815,
189.8386

0.0000, 0.0000,
0.4358

131.5907,

0.0000, 0.0000,

100.5725, 233.6219

0.0000

164.5480,
128.8310, 283.6672

12.6892, 6.3262,
35.2026

12.6892, 6.3262,
35.2026

11.6442, 5.3954,
35.0782

14.0079, 7.7027,
35.3989

11.1055, 4.9614,
35.0228

15.6313, 9.5859,
35.6769

17.5866, 12.0276,
36.0451

19.8975, 15.0729,
36.5111

22.5851, 18.7621,
37.0815

■ 25.6689, 23.1317,
37.7624

■ 29.1668, 28.2159,
38.5594

■ 33.0956, 34.0460,
39.4777

■ 37.4711, 40.6518,
40.5221

Harmonies

Analogous

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



8.0098, 6.3262, 53.3912



12.6892, 6.3262, 35.2026



16.1240, 6.3262, 14.1880

Triad

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



12.6892, 6.3262, 35.2026



8.1998, 6.3262, 0.0000



1.3540, 6.3262, 13.4783

Complementary

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



12.6892, 6.3262, 35.2026



17.0298, 28.2003, 5.5230

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.



1.3695, 6.3262, 2.6538



12.6892, 6.3262, 35.2026



4.3789, 6.3262, 0.0000

Square

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



12.6892, 6.3262, 35.2026



12.8777, 6.3262, 0.0000



2.2193, 6.3262, 0.0000



2.1612, 6.3262, 34.2429

Rectangle

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



12.6892, 6.3262, 35.2026



16.6087, 6.3262, 5.4172



2.2193, 6.3262, 0.0000



1.2788, 6.3262, 8.6038

Sweetspot

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



12.6895, 6.3264, 35.2028



45.1451, 40.2433, 67.4445



10.3144, 9.4189, 35.9249



9.7141, 8.4327, 15.0532



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.6895, 6.3264, 35.2028



19.6555, 8.7651, 62.7120



21.2954, 10.8540, 31.4864



7.0683, 7.0496, 8.8912



8.6837, 3.8831, 27.2216



0.2352, 0.1088, 0.5745

Inverse Universe

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



17.1133, 9.1812, 9.4641



28.9452, 14.7029, 11.2427



13.8286, 26.5362, 5.9937



7.1945, 7.1342, 8.0105



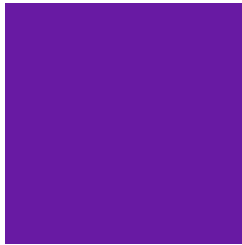
12.6247, 6.4059, 5.2143



0.2888, 0.1440, 0.2333

Previews

White Background



This preview shows how the XYZ color 12.6892, 6.3262, 35.2026 looks on a white background.

Color Contrast Check

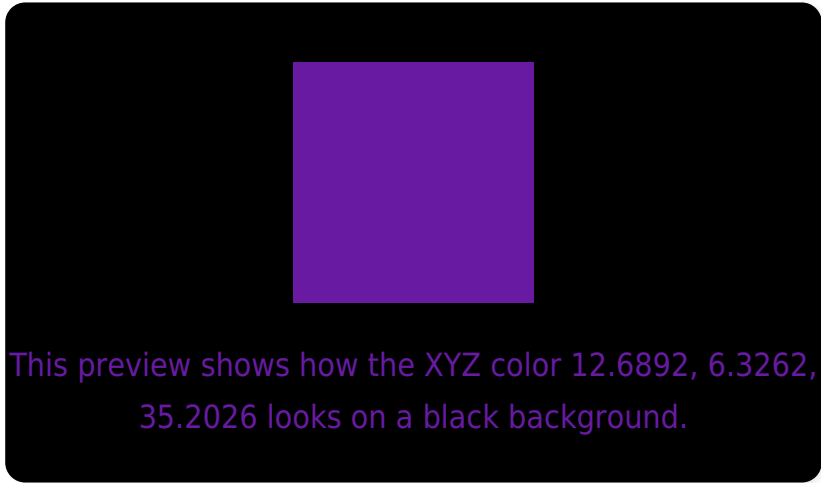
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

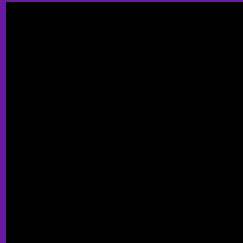
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6892, 6.3262, 35.2026

Background



This preview shows how black text looks on a background with the XYZ color 12.6892, 6.3262, 35.2026.



This preview shows how white text looks on a background with the XYZ color 12.6892, 6.3262,

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

12.6892, 6.3262, 35.2026

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2795, 6.4299, 20.9888



Tritanopia

7.0146, 6.4606, 7.0082

Trichromacy



Original Color

12.6892, 6.3262, 35.2026



Protanomaly

7.8683, 5.3503, 30.7550



Deuteranomaly

6.9961, 5.2318, 25.4520



Tritanomaly

8.2920, 5.8031, 14.0477

Monochromacy



Original Color

12.6892, 6.3262, 35.2026



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

6.7572, 4.9695, 12.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6892, 6.3262, 35.2026 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(104, 26, 163)` looks like.

```
.text, #text, p{  
    color:rgb(104, 26, 163)  
}
```

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(104, 26, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 26, 163) }
```

Border

The CSS property to change the border of an element to XYZ 12.6892, 6.3262, 35.2026 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(104, 26, 163) }
```


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

```
.border{ border-color:rgb(104, 26, 163) }
```

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

Here you see how a box with a 4 pixel rgb(104, 26, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 26, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 26, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 26,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6892, 6.3262, 35.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 26, 163) }
```

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

```
.background{ background-color: rgb(104, 26,  
163) }
```

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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