

Converting Colors

XYZ(12.2432, 6.3544, 31.8344)

Have a look what the booklet for
XYZ(12.2432, 6.3544, 31.8344)
contains.

XYZ(12.3164, 6.3835, 32.0355)	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(12.3164, 6.3835,
32.0355)**

Conversions

Conversions Part 1

Format	Color
Hex	691F9C
RGB	105, 31, 156
RGB Percent	41%, 12%, 61%
CMY	0.5882, 0.8784, 0.3882
CMYK	0.33, 0.80, 0.00, 0.39
HSL	276°, 67%, 37%
HSV	276°, 80%, 61%
XYZ	12.3164, 6.3835, 32.0355
YIQ	67.3760, 3.9790, 54.5630

Conversions

Conversions Part 2

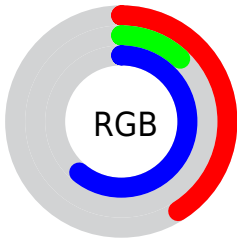
Format	Color
RYB	105, 31, 156
Decimal	6889372
CIELab	30.36, 53.19, -53.09
CIElCh	30, 75.151, 315.054
Yxy	6.3835, 0.2428, 0.1258
Android (android.graphics.Color)	4285079452 (0xFF691F9C)
YUV	67.3760, 43.6916, 32.9962
Hunter-Lab	25.2656, 42.7999, -57.4908

Details

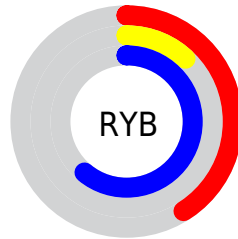
The XYZ color **12.3164, 6.3835, 32.0355** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.6155, 25.6698, 5.4281**, and the grayscale version is **5.3273, 5.6047, 6.1036**.

A 20% lighter version of the original color is **29.7043, 18.7772, 63.6868**, and **3.8141, 1.6776, 13.2195** is the 20% darker color. If you saturate the color by 10%, you get **11.2834, 5.3857, 31.8975**, and if you desaturate by 10%, it is **13.6032, 7.8049, 32.2422**.

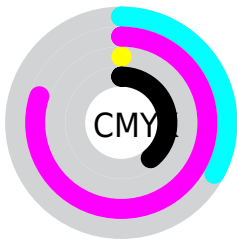
Distribution



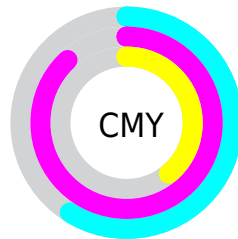
- Red (41%)
- Green (12%)
- Blue (61%)



- Red (41%)
- Yellow (12%)
- Blue (61%)



- Cyan (33%)
- Magenta (80%)
- Yellow (0%)
- Black (39%)



- Cyan (59%)
- Magenta (88%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3164, 6.3835, 32.0355 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 12.3164, 6.3835, 32.0355 by changing the saturation by 10% instead.

12.3164, 6.3835,
32.0355

12.3164, 6.3835,
32.0355

200.2163,
162.4381, 325.7786

7.0333, 3.0796,
21.1236

29.6819, 18.7218,
63.9653

3.5294, 1.1735,
13.0222

42.4951, 28.5250,
85.8202

1.4395, 0.0399,
7.3130

58.5489, 41.2634,
112.1599

0.2841, 0.0000,
3.5772

78.2088, 57.3215,
143.4029

0.0000, 0.0000,
1.3964

101.8402, 77.0836,
179.9678

0.0000, 0.0000,
0.1389

129.8083,

0.0000, 0.0000,

100.9342, 222.2730

0.0000

162.4785,
129.2575, 270.7371

12.3164, 6.3835,
32.0355

12.3164, 6.3835,
32.0355

11.2834, 5.3857,
31.8975

13.6032, 7.8049,
32.2422

10.4499, 4.6939,
31.8079

15.1691, 9.7002,
32.5255

17.0371, 12.1131,
32.8927

19.2272, 15.0820,
33.3504

21.7574, 18.6414,
33.9041

■ 24.6446, 22.8234,
34.5591

■ 27.9041, 27.6572,
35.3203

■ 31.5506, 33.1705,
36.1923

■ 35.5976, 39.3891,
37.1793

Harmonies

Analogous

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



8.0246, 6.3835, 48.2736



12.3164, 6.3835, 32.0355



15.3754, 6.3835, 13.3319

Triad

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



12.3164, 6.3835, 32.0355



8.0096, 6.3835, 0.0000



1.5670, 6.3835, 13.3872

Complementary

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



12.3164, 6.3835, 32.0355



15.6155, 25.6698, 5.4281

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.



1.5656, 6.3835, 3.0213



12.3164, 6.3835, 32.0355



4.4574, 6.3835, 0.0000

Square

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



12.3164, 6.3835, 32.0355



12.3018, 6.3835, 0.0000



2.3975, 6.3835, 0.0000



2.4025, 6.3835, 32.1081

Rectangle

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



12.3164, 6.3835, 32.0355



15.7595, 6.3835, 5.3625



2.3975, 6.3835, 0.0000



1.4840, 6.3835, 8.8247

Sweetspot

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



12.3167, 6.3837, 32.0357



42.4002, 38.0091, 62.2285



9.6656, 8.8910, 32.6593



8.9527, 7.8188, 13.6077



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.3167, 6.3837, 32.0357



19.3142, 8.8293, 57.8130



19.3564, 10.1104, 27.9560



6.6422, 6.6195, 8.3343



8.6474, 3.8869, 26.2017



0.2018, 0.0938, 0.4707

Inverse Universe

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



15.7233, 8.6572, 8.8248



26.7544, 13.7201, 10.4838



12.8612, 24.2314, 6.1355



6.7396, 6.6888, 7.4800



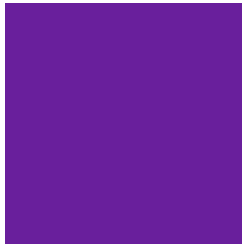
12.0635, 6.1300, 4.5852



0.2361, 0.1178, 0.1895

Previews

White Background



This preview shows how the XYZ color 12.3164, 6.3835, 32.0355 looks on a white background.

Color Contrast Check

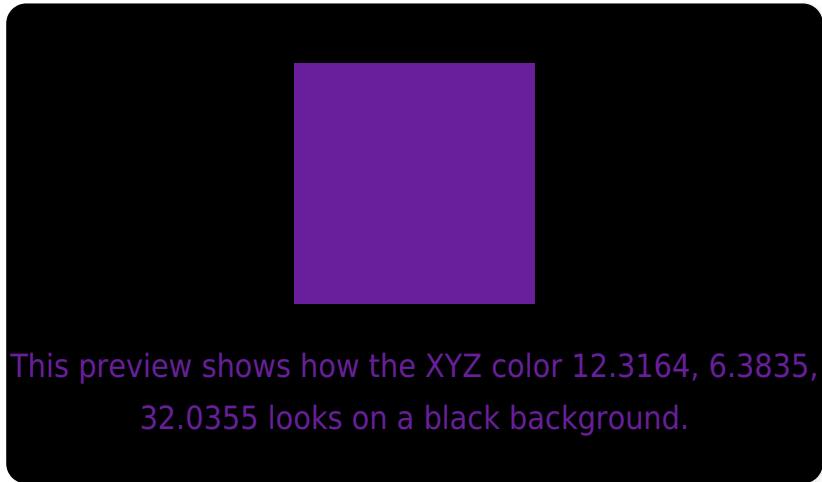
Large Text (above 18pt) WCAG AA ✓ Pass

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

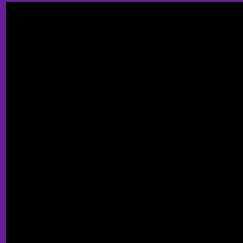
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3164, 6.3835, 32.0355

Background



This preview shows how black text looks on a background with the XYZ color 12.3164, 6.3835, 32.0355.



This preview shows how white text looks on a background with the XYZ color 12.3164, 6.3835,

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

12.3164, 6.3835, 32.0355

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.3451, 6.4561, 21.3338



Tritanopia

7.2054, 6.4752, 6.8313

Trichromacy



Original Color

12.3164, 6.3835, 32.0355

Protanomaly

7.7994, 5.4748, 29.9238

Deuteranomaly

6.8998, 5.2732, 24.6989

Tritanomaly

8.3907, 5.9384, 13.2744

Monochromacy



Original Color

12.3164, 6.3835, 32.0355

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.9646, 5.2885, 12.4581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3164, 6.3835, 32.0355 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(105, 31, 156)` looks like.

```
.text, #text, p{  
    color:rgb(105, 31, 156)  
}
```

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(105, 31, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 31, 156) }
```

Border

The CSS property to change the border of an element to XYZ 12.3164, 6.3835, 32.0355 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(105, 31, 156) }
```


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

```
.border{ border-color:rgb(105, 31, 156) }
```

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

Here you see how a box with a 4 pixel rgb(105, 31, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 31, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 31, 156);  
box-shadow:4px 4px 4px 4px rgb(105, 31,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3164, 6.3835, 32.0355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 31, 156) }
```

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

```
.background{ background-color: rgb(105, 31,  
156) }
```

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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