

Converting Colors

XYZ(12.6904, 6.8645, 30.2647)

Have a look what the booklet for
XYZ(12.6904, 6.8645, 30.2647)
contains.

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Color

**XYZ(12.7595, 6.9051,
30.3661)**

Conversions

Conversions Part 1

Format	Color
Hex	6E2598
RGB	110, 37, 152
RGB Percent	43%, 15%, 60%
CMY	0.5686, 0.8549, 0.4039
CMYK	0.28, 0.76, 0.00, 0.40
HSL	278°, 61%, 37%
HSV	278°, 76%, 60%
XYZ	12.7595, 6.9051, 30.3661
YIQ	71.9370, 6.5930, 51.2410

Conversions

Conversions Part 2

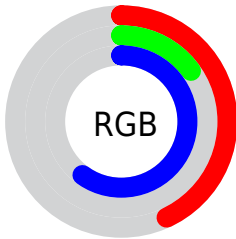
Format	Color
R_{YB}	110, 37, 152
Decimal	7218584
CIE Lab	31.59, 50.89, -48.62
CIE LCh	32, 70.379, 316.307
Yxy	6.9051, 0.2550, 0.1380
Android (android.graphics.Color)	4285408664 (0xFF6E2598)
YUV	71.9370, 39.4711, 33.3813
Hunter-Lab	26.2776, 40.6879, -50.1207

Details

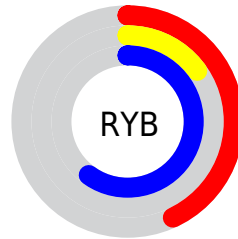
The XYZ color **12.7595, 6.9051, 30.3661** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **14.7866, 24.2524, 5.6522**, and the grayscale version is **6.0827, 6.3995, 6.9691**.

A 20% lighter version of the original color is **30.4357, 19.8167, 61.2523**, and **3.9311, 1.7609, 12.1893** is the 20% darker color. If you saturate the color by 10%, you get **11.7121, 5.8034, 30.2088**, and if you desaturate by 10%, it is **14.0477, 8.4234, 30.5914**.

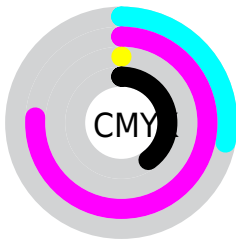
Distribution



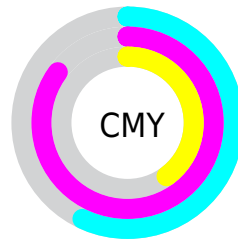
- Red (43%)
- Green (15%)
- Blue (60%)



- Red (43%)
- Yellow (15%)
- Blue (60%)



- Cyan (28%)
- Magenta (76%)
- Yellow (0%)
- Black (40%)



- Cyan (57%)
- Magenta (85%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7595, 6.9051, 30.3661 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 12.7595, 6.9051, 30.3661 by changing the saturation by 10% instead.

12.7595, 6.9051,
30.3661

12.7595, 6.9051,
30.3661

203.0394,
166.8728, 317.8675

7.3390, 3.4028,
19.8622

30.4760, 19.7820,
61.3085

3.7232, 1.3455,
12.1119

43.5028, 29.9255,
82.5841

1.5468, 0.1760,
6.6964

59.7957, 43.0515,
108.2874

0.3573, 0.0000,
3.1974

79.7200, 59.5443,
138.8368

0.0000, 0.0000,
1.1963

103.6412, 79.7885,
174.6510

0.0000, 0.0000,
0.0000

131.9246,

104.1684, 216.1485

164.9356,
133.0683, 263.7478

■ 12.7595, 6.9051,
30.3661

■ 12.7595, 6.9051,
30.3661

■ 11.7121, 5.8034,
30.2088

■ 14.0477, 8.4234,
30.5914

■ 10.8739, 5.0573,
30.1090

■ 15.5984, 10.4017,
30.8915

■ 10.5431, 4.7805,
30.0730

■ 17.4315, 12.8783,
31.2729

■ 19.5647, 15.8874,
31.7413

■ 22.0140, 19.4601,
32.3018

■ 24.7942, 23.6251,
32.9592

■ 27.9192, 28.4090,
33.7179

■ 31.4020, 33.8368,
34.5820

■ 35.2548, 39.9320,
35.5554

Harmonies

Analogous

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



8.6485, 6.9051, 45.5681



12.7595, 6.9051, 30.3661



15.5574, 6.9051, 13.0911

Triad

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



12.7595, 6.9051, 30.3661



8.2956, 6.9051, 0.0000



1.9802, 6.9051, 14.3641

Complementary

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



12.7595, 6.9051, 30.3661



14.7866, 24.2524, 5.6522

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.



1.9445, 6.9051, 3.8057



12.7595, 6.9051, 30.3661



4.8432, 6.9051, 0.0000

Square

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



12.7595, 6.9051, 30.3661



12.4230, 6.9051, 0.2501



2.7901, 6.9051, 0.4088



2.9152, 6.9051, 31.9766

Rectangle

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



12.7595, 6.9051, 30.3661



15.8276, 6.9051, 5.5871



2.7901, 6.9051, 0.4088



1.8781, 6.9051, 9.8504

Sweetspot

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



12.7598, 6.9054, 30.3663



39.8900, 35.8819, 57.2571



9.2386, 8.2765, 30.8165



8.7124, 7.6309, 12.9312



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.7598, 6.9054, 30.3663



19.5897, 9.2565, 53.1879



18.1021, 9.7952, 24.4785



6.2423, 6.2108, 7.7988



8.8748, 4.0262, 25.2171



0.1724, 0.0806, 0.3789

Inverse Universe

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



15.0218, 8.5631, 8.2580



24.6256, 12.8282, 9.3466



12.6187, 23.1009, 7.0823



6.2974, 6.2581, 6.9462



11.4598, 5.8381, 3.6803



0.1878, 0.0939, 0.1419

Previews

White Background



This preview shows how the XYZ color 12.7595, 6.9051, 30.3661 looks on a white background.

Color Contrast Check

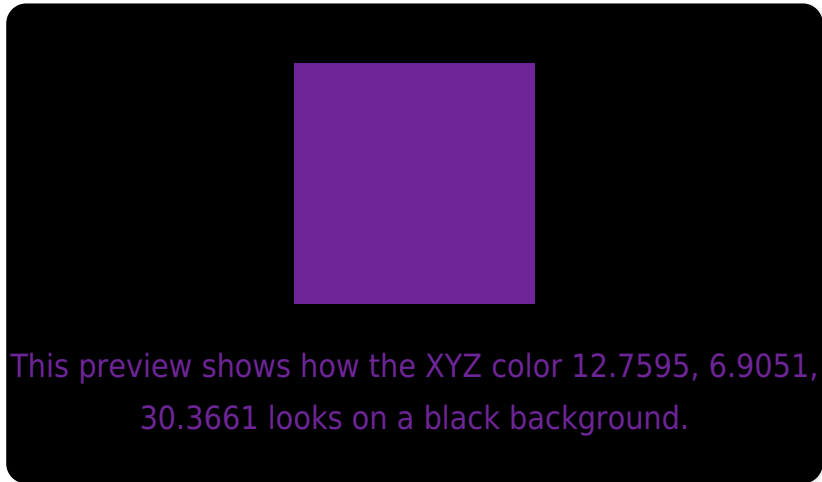
Large Text (above 18pt) WCAG AA ✓ Pass

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

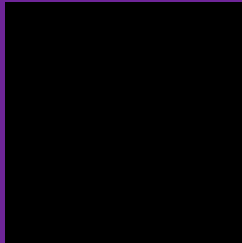
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7595, 6.9051, 30.3661

Background



This preview shows how black text looks on a background with the XYZ color 12.7595, 6.9051, 30.3661.



This preview shows how white text looks on a background with the XYZ color 12.7595, 6.9051,

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

12.7595, 6.9051, 30.3661

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.9570, 7.0290, 23.5443



Tritanopia

8.1066, 7.0236, 7.0593

Trichromacy



Original Color

12.7595, 6.9051, 30.3661

Protanomaly

8.2407, 5.9827, 30.8574

Deuteranomaly

7.4054, 5.8195, 25.9323

Tritanomaly

9.2426, 6.5927, 13.0973

Monochromacy



Original Color

12.7595, 6.9051, 30.3661

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.7507, 6.0459, 13.0704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7595, 6.9051, 30.3661 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(110, 37, 152)` looks like.

```
.text, #text, p{  
    color:rgb(110, 37, 152)  
}
```

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(110, 37, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 37, 152) }
```

Border

The CSS property to change the border of an element to XYZ 12.7595, 6.9051, 30.3661 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(110, 37, 152) }
```


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

```
.border{ border-color:rgb(110, 37, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 37, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 37, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 37, 152);  
box-shadow:4px 4px 4px 4px rgb(110, 37,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7595, 6.9051, 30.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 37, 152) }
```

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

```
.background{ background-color: rgb(110, 37,  
152) }
```

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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