

Converting Colors

XYZ(12.6867, 13.2184, 3.7987)

Have a look what the booklet for
XYZ(12.6867, 13.2184, 3.7987)
contains.

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Color

**XYZ(12.6691, 13.2539,
3.8100)**

Conversions

Conversions Part 1

Format	Color
Hex	786427
RGB	120, 100, 39
RGB Percent	47%, 39%, 15%
CMY	0.5294, 0.6078, 0.8471
CMYK	0.00, 0.17, 0.67, 0.53
HSL	45°, 51%, 31%
HSV	45°, 67%, 47%
XYZ	12.6691, 13.2539, 3.8100
YIQ	99.0260, 31.5010, -14.7310

Conversions

Conversions Part 2

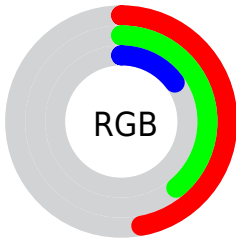
Format	Color
R_{YB}	66, 120, 39
Decimal	7889959
CIE Lab	43.14, 0.48, 36.56
CIE LCh	43, 36.558, 89.244
Yxy	13.2539, 0.4261, 0.4458
Android (android.graphics.Color)	4286080039 (0xFF786427)
YUV	99.0260, -29.5928, 18.3942
Hunter-Lab	36.4059, -1.5931, 19.2792

Details

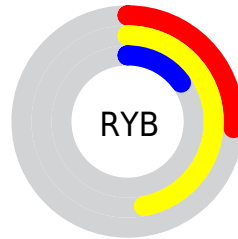
The XYZ color **12.6691, 13.2539, 3.8100** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7908, 4.9152, 18.4127**, and the grayscale version is **11.9333, 12.5547, 13.6721**.

A 20% lighter version of the original color is **30.4661, 31.9353, 13.5752**, and **3.7734, 3.9035, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **12.2220, 12.6291, 2.8305**, and if you desaturate by 10%, it is **13.1901, 13.9258, 5.1249**.

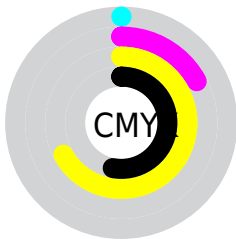
Distribution



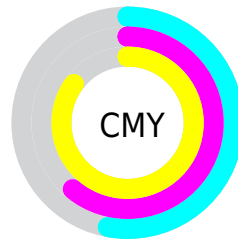
- Red (47%)
- Green (39%)
- Blue (15%)



- Red (26%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (17%)
- Yellow (67%)
- Black (53%)



- Cyan (53%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6691, 13.2539, 3.8100 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 12.6691, 13.2539, 3.8100 by changing the saturation by 10% instead.

■ 12.6691, 13.2539,
3.8100

■ 12.6691, 13.2539,
3.8100

202.4667,
212.5385, 146.0895

■ 7.2765, 7.6036,
1.5217

■ 30.3144, 31.7592,
13.5691

■ 3.6835, 3.8424,
0.2340

■ 43.2978, 45.3830,
21.8771

■ 1.5247, 1.5858,
0.0000

■ 59.5423, 62.4334,
33.0286

■ 0.3425, 0.3480,
0.0000

■ 79.4130, 83.2948,
47.4423

■ 0.0000, 0.0000,
0.0000

■ 103.2755,
108.3516, 65.5367

■ 131.4950,

137.9883, 87.7303

164.4370,
172.5891, 114.4418

■ 12.6691, 13.2539,
3.8100

■ 12.6691, 13.2539,
3.8100

■ 12.2220, 12.6291,
2.8305

■ 13.1901, 13.9258,
5.1249

■ 11.8416, 12.0469,
2.1532

■ 13.7896, 14.6453,
6.8029

■ 11.5131, 11.5016,
1.6994

■ 14.4727, 15.4151,
8.8696

■ 11.4335, 11.3688,
1.5918

■ 15.2440, 16.2372,
11.3479

■ 16.1076, 17.1134,
14.2591

■ 17.0674, 18.0455,
17.6230

■ 18.1268, 19.0349,
21.4582

■ 19.2895, 20.0834,
25.7821

■ 20.5585, 21.1922,
30.6114

Harmonies

Analogous

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



15.5772, 13.2539, 4.7803



12.6691, 13.2539, 3.8100



10.1309, 13.2539, 4.6828

Triad

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



12.6691, 13.2539, 3.8100



8.4356, 13.2539, 23.4195



17.8524, 13.2539, 23.9129

Complementary

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



12.6691, 13.2539, 3.8100



5.7908, 4.9152, 18.4127

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.



15.4349, 13.2539, 32.6529



12.6691, 13.2539, 3.8100



10.0242, 13.2539, 32.3011

Square

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



12.6691, 13.2539, 3.8100



7.9182, 13.2539, 14.2274



12.5260, 13.2539, 36.1799



18.8308, 13.2539, 14.6371

Rectangle

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



12.6691, 13.2539, 3.8100



8.9219, 13.2539, 6.4848



12.5260, 13.2539, 36.1799



17.1649, 13.2539, 27.1211

Sweetspot

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



12.6694, 13.2545, 3.8103



27.8589, 29.6285, 23.4655



9.2672, 5.7626, 4.7958



6.5196, 6.9381, 5.2814



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6694, 13.2545, 3.8103



21.1156, 21.6417, 4.2630



12.3106, 16.2744, 4.4121



4.2279, 4.4743, 4.2653



12.4620, 12.3800, 1.7328



58.7490, 57.6615, 8.0334

Inverse Universe

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



5.7908, 4.9152, 18.4127



8.1358, 5.9557, 31.9738



5.9343, 3.7447, 18.1792



3.8706, 4.0395, 5.0189



4.1845, 2.4514, 19.6379



19.3824, 10.5373, 93.4821

Previews

White Background



This preview shows how the XYZ color 12.6691, 13.2539, 3.8100 looks on a white background.

Color Contrast Check

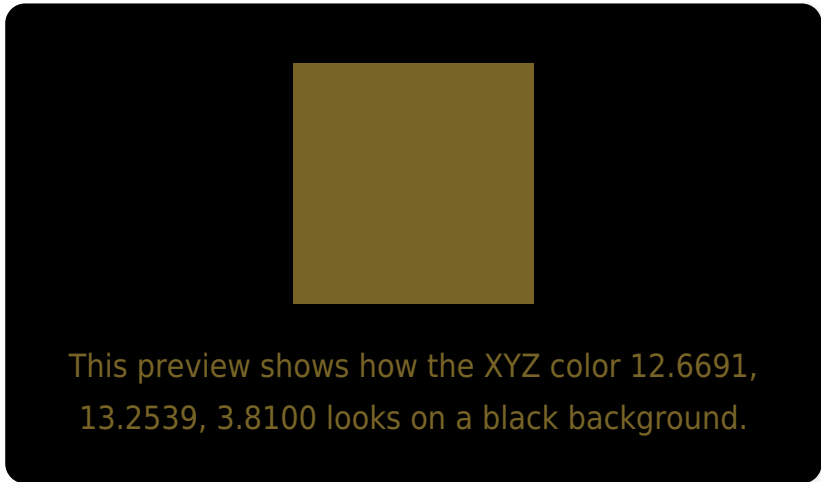
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6691, 13.2539, 3.8100

Background



This preview shows how black text looks on a background with the XYZ color 12.6691, 13.2539, 3.8100.



This preview shows how white text looks on a background with the XYZ color 12.6691, 13.2539,

3.8100.

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

12.6691, 13.2539, 3.8100

Protanopia

12.0738, 13.2334, 3.9254

Deuteranopia

13.4101, 13.2146, 3.8514



Tritanopia

14.8091, 13.3050, 14.0995

Trichromacy



Original Color

12.6691, 13.2539, 3.8100

Protanomaly

12.2391, 13.1736, 3.9052

Deuteranomaly

13.0629, 13.1737, 3.8618

Tritanomaly

13.7264, 13.1268, 9.0180

Monochromacy



Original Color

12.6691, 13.2539, 3.8100

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8648, 12.5853, 8.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6691, 13.2539, 3.8100 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(120, 100, 39)` looks like.

```
.text, #text, p{  
    color:rgb(120, 100, 39)  
}
```

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(120, 100, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 100, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.6691, 13.2539, 3.8100 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(120, 100, 39) }
```


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

```
.border{ border-color:rgb(120, 100, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 100, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 100, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 100, 39);  
box-shadow:4px 4px 4px 4px rgb(120, 100,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6691, 13.2539, 3.8100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 100, 39) }
```

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

```
.background{ background-color: rgb(120,  
100, 39) }
```

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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