

Converting Colors

XYZ(12.5664, 6.4169, 3.3725)

Have a look what the booklet for
XYZ(12.5664, 6.4169, 3.3725)
contains.

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Color

**XYZ(12.5661, 6.4164,
3.3725)**

Conversions

Conversions Part 1

Format	Color
Hex	930030
RGB	147, 0, 48
RGB Percent	58%, 0%, 19%
CMY	0.4235, 0.9999, 0.8118
CMYK	0.00, 1.00, 0.67, 0.42
HSL	340°, 100%, 29%
HSV	340°, 100%, 58%
XYZ	12.5661, 6.4164, 3.3725
YIQ	49.4250, 72.2040, 46.0920

Conversions

Conversions Part 2

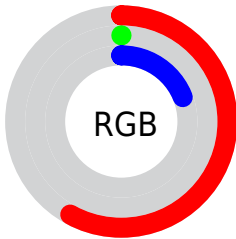
Format	Color
RYB	147, 0, 48
Decimal	9633840
CIELab	30.44, 54.55, 17.26
CIELCh	30, 57.211, 17.558
Yxy	6.4164, 0.5621, 0.2870
Android (android.graphics.Color)	4287823920 (0xFF930030)
YUV	49.4250, -0.7025, 85.5733
Hunter-Lab	25.3306, 44.2223, 9.8376

Details

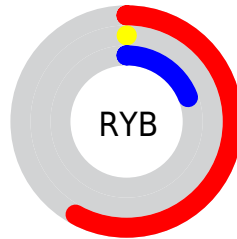
The XYZ color **12.5661, 6.4164, 3.3725** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.6868, 21.7686, 15.3418**, and the grayscale version is **2.9629, 3.1172, 3.3947**.

A 20% lighter version of the original color is **30.1351, 18.8386, 12.6376**, and **4.1253, 2.1260, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **12.5658, 6.4163, 3.3712**, and if you desaturate by 10%, it is **12.9606, 6.8412, 4.6272**.

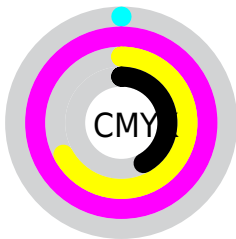
Distribution



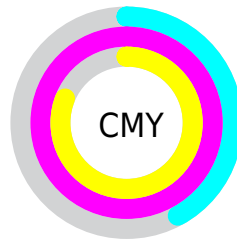
- Red (58%)
- Green (0%)
- Blue (19%)



- Red (58%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5661, 6.4164, 3.3725 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 12.5661, 6.4164, 3.3725 by changing the saturation by 10% instead.

12.5661, 6.4164,
3.3725

12.5661, 6.4164,
3.3725

201.8121,
162.7224, 140.9721

7.2054, 3.0999,
1.2878

30.1300, 18.7891,
12.5345

3.6383, 1.1841,
0.0518

43.0639, 28.6142,
20.4490

1.4996, 0.0487,
0.0000

59.2530, 41.3775,
31.1438

0.3256, 0.0000,
0.0000

79.0624, 57.4635,
45.0375

0.0000, 0.0000,
0.0000

102.8578, 77.2566,
62.5487

131.0042,

101.1412, 84.0958

163.8672,
129.5017, 110.0974

12.5661, 6.4164,
3.3725

12.5661, 6.4164,
3.3725

12.5658, 6.4163,
3.3712

12.9606, 6.8412,
4.6272

13.5196, 7.5173,
6.1757

14.3022, 8.5590,
8.0504

15.3323, 10.0103,
10.2710

16.6306, 11.9090,
12.8555

■ 18.2155, 14.2884,
15.8204

■ 20.1037, 17.1788,
19.1811

■ 22.3105, 20.6078,
22.9521

■ 24.8503, 24.6011,
27.1473

Harmonies

Analogous

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



12.7627, 6.4164, 10.7353



12.5661, 6.4164, 3.3725



10.3519, 6.4164, 0.7175

Triad

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



12.5661, 6.4164, 3.3725



2.9964, 6.4164, 0.9699



5.0399, 6.4164, 34.1878

Complementary

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



12.5661, 6.4164, 3.3725



12.6868, 21.7686, 15.3418

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.



3.2066, 6.4164, 24.8895



12.5661, 6.4164, 3.3725



2.2848, 6.4164, 4.2309

Square

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



12.5661, 6.4164, 3.3725



4.6532, 6.4164, 0.0000



2.3482, 6.4164, 12.5478



7.8160, 6.4164, 33.2004

Rectangle

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



12.5661, 6.4164, 3.3725



8.3206, 6.4164, 0.0000



2.3482, 6.4164, 12.5478



4.3122, 6.4164, 31.9816

Sweetspot

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



12.5663, 6.4168, 3.3726



35.7738, 30.4113, 33.9508



10.3042, 4.7040, 27.9685



7.8586, 6.4693, 7.2083



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.5663, 6.4168, 3.3726



22.4302, 11.4614, 5.6501



12.3700, 6.8777, 0.6761



5.8742, 5.8447, 6.4437



10.9044, 5.5668, 2.9776



0.1459, 0.0731, 0.1020

Inverse Universe

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



12.5663, 6.4168, 3.3726



22.4302, 11.4614, 5.6501



12.2881, 16.1495, 30.0731



5.8742, 5.8447, 6.4437



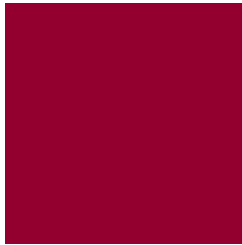
10.9044, 5.5668, 2.9776



0.1459, 0.0731, 0.1020

Previews

White Background



This preview shows how the XYZ color 12.5661, 6.4164, 3.3725 looks on a white background.

Color Contrast Check

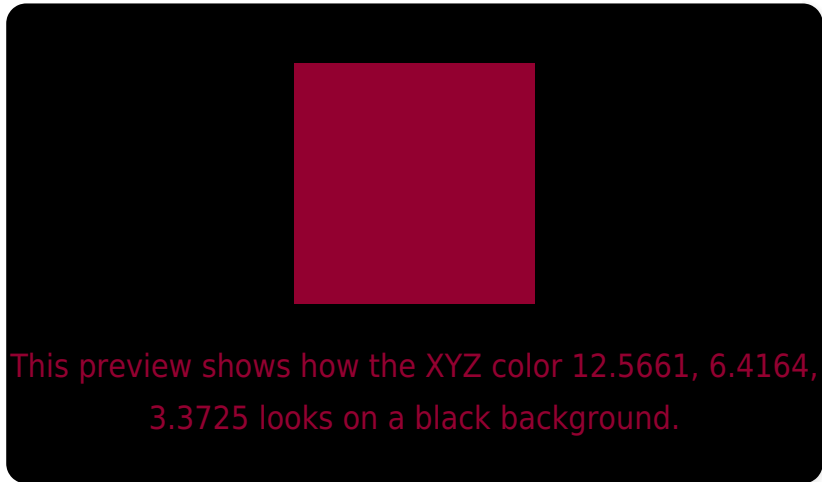
Large Text (above 18pt) WCAG AA ✓ Pass

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

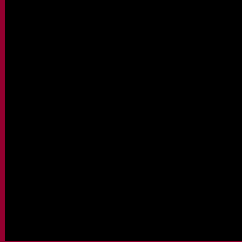
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5661, 6.4164, 3.3725

Background



This preview shows how black text looks on a background with the XYZ color 12.5661, 6.4164, 3.3725.



This preview shows how white text looks on a background with the XYZ color 12.5661, 6.4164,

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

12.5661, 6.4164, 3.3725

Protanopia

6.7140, 7.0649, 6.9710

Deuteranopia

7.1312, 7.0701, 3.0866



Tritanopia

12.1881, 6.6172, 1.1652

Trichromacy



Original Color

12.5661, 6.4164, 3.3725

Protanomaly

7.4336, 5.2976, 5.3334

Deuteranomaly

8.1137, 5.5806, 3.0324

Tritanomaly

12.1951, 6.4578, 1.7023

Monochromacy



Original Color

12.5661, 6.4164, 3.3725

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7907, 3.1330, 3.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5661, 6.4164, 3.3725 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(147, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 48)  
}
```

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(147, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 12.5661, 6.4164, 3.3725 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(147, 0, 48) }
```


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

```
.border{ border-color:rgb(147, 0, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 0, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(147, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5661, 6.4164, 3.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 48) }
```

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

```
.background{ background-color: rgb(147, 0,  
48) }
```

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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