

Converting Colors

XYZ(12.5311, 6.3685, 4.7212)

Have a look what the booklet for
XYZ(12.5311, 6.3685, 4.7212)
contains.

XYZ(12.4665, 6.3355, 4.7035)	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(12.4665, 6.3355,
4.7035)**

Conversions

Conversions Part 1

Format	Color
Hex	91003B
RGB	145, 0, 59
RGB Percent	57%, 0%, 23%
CMY	0.4314, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.59, 0.43
HSL	336°, 100%, 28%
HSV	336°, 100%, 57%
XYZ	12.4665, 6.3355, 4.7035
YIQ	50.0810, 67.4810, 49.0890

Conversions

Conversions Part 2

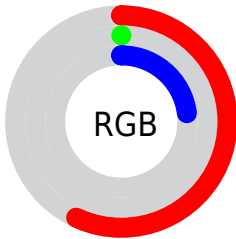
Format	Color
RYB	145, 0, 59
Decimal	9502779
CIELab	30.24, 54.72, 9.56
CIELCh	30, 55.544, 9.906
Yxy	6.3355, 0.5304, 0.2695
Android (android.graphics.Color)	4287692859 (0xFF91003B)
YUV	50.0810, 4.3971, 83.2440
Hunter-Lab	25.1704, 44.3599, 6.5400

Details

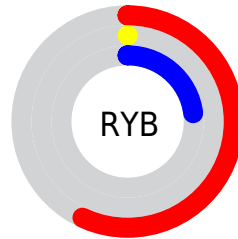
The XYZ color **12.4665, 6.3355, 4.7035** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.8060, 20.9231, 12.2241**, and the grayscale version is **3.0318, 3.1897, 3.4735**.

A 20% lighter version of the original color is **29.8207, 18.5127, 15.6373**, and **4.0317, 2.0667, 0.7167** is the 20% darker color. If you saturate the color by 10%, you get **12.4662, 6.3354, 4.7021**, and if you desaturate by 10%, it is **12.8724, 6.7604, 6.0317**.

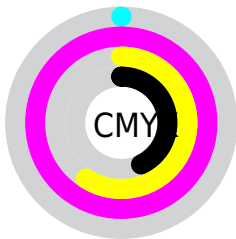
Distribution



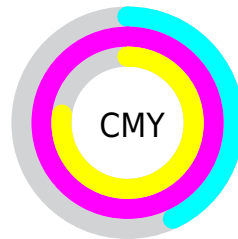
- Red (57%)
- Green (0%)
- Blue (23%)



- Red (57%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (43%)




- Cyan (43%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4665, 6.3355, 4.7035 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 12.4665, 6.3355, 4.7035 by changing the saturation by 10% instead.


 12.4665, 6.3355,
4.7035


 12.4665, 6.3355,
4.7035


201.1771,
162.0221, 155.7503


 7.1367, 3.0501,
2.0187


 29.9515, 18.6233,
15.6022


 3.5948, 1.1580,
0.5667

 42.8373, 28.3946,
24.6532

 1.4756, 0.0270,
0.0000

 58.9726, 41.0967,
36.6634

 0.3091, 0.0000,
0.0000


 78.7226, 57.1139,
52.0513


 0.0000, 0.0000,
0.0000


 102.4527, 76.8306,
71.2353


 130.5282,

100.6313, 94.6342


 163.3146,
128.9004, 122.6663


 12.4665, 6.3355,
4.7035

 12.4665, 6.3355,
4.7035


 12.4662, 6.3354,
4.7021

 12.8724, 6.7604,
6.0317

 13.4284, 7.4239,
7.5996

 14.1917, 8.4381,
9.4341

 15.1847, 9.8451,
11.5500

 16.4265, 11.6811,
13.9607

■ 17.9343, 13.9780,
16.6783

■ 19.7234, 16.7648,
19.7145

■ 21.8081, 20.0680,
23.0801

■ 24.2018, 23.9123,
26.7853

Harmonies

Analogous

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



12.0944, 6.3355, 13.1316



12.4665, 6.3355, 4.7035



10.7676, 6.3355, 1.1671

Triad

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



12.4665, 6.3355, 4.7035



3.3352, 6.3355, 0.6667



4.4525, 6.3355, 31.2277

Complementary

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



12.4665, 6.3355, 4.7035



11.8060, 20.9231, 12.2241

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.



2.9267, 6.3355, 20.8965



12.4665, 6.3355, 4.7035



2.4234, 6.3355, 3.0360

Square

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



12.4665, 6.3355, 4.7035



5.1966, 6.3355, 0.0000



2.2994, 6.3355, 9.6875



6.9299, 6.3355, 33.0764

Rectangle

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



12.4665, 6.3355, 4.7035



8.9150, 6.3355, 0.2858



2.2994, 6.3355, 9.6875



3.8338, 6.3355, 28.4009

Sweetspot

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



12.4667, 6.3359, 4.7036



35.1019, 29.6780, 34.9418



8.8203, 3.9569, 27.0869



7.5310, 6.1675, 7.3079



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.4667, 6.3359, 4.7036



22.2433, 11.3130, 7.9896



11.8098, 6.2851, 0.5912



5.4941, 5.4582, 6.1001



10.7050, 5.4390, 4.0979



0.1128, 0.0562, 0.0943

Inverse Universe

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



12.4667, 6.3359, 4.7036



22.2433, 11.3130, 7.9896



13.4874, 18.7971, 29.7054



5.4941, 5.4582, 6.1001



10.7050, 5.4390, 4.0979



0.1128, 0.0562, 0.0943

Previews

White Background



This preview shows how the XYZ color 12.4665, 6.3355, 4.7035 looks on a white background.

Color Contrast Check

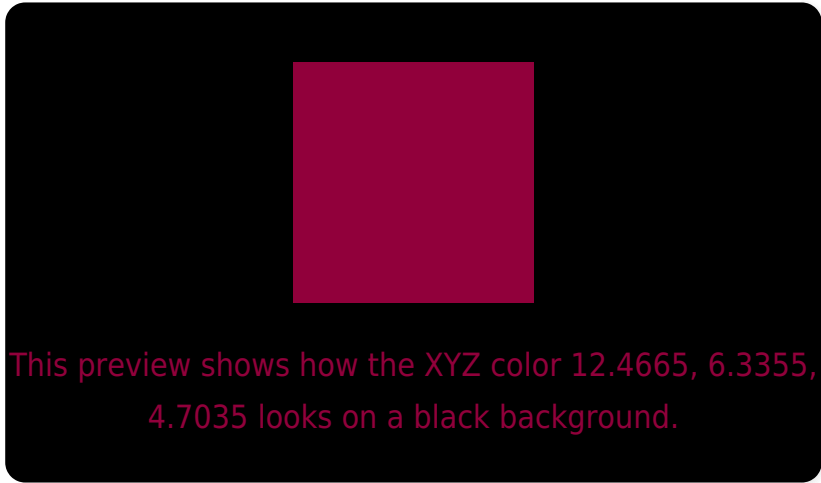
Large Text (above 18pt) WCAG AA ✓ Pass

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

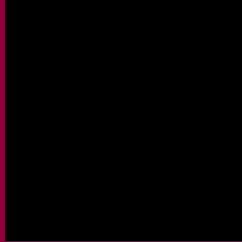
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4665, 6.3355, 4.7035

Background



This preview shows how black text looks on a background with the XYZ color 12.4665, 6.3355, 4.7035.



This preview shows how white text looks on a background with the XYZ color 12.4665, 6.3355,

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

12.4665, 6.3355, 4.7035

Protanopia

6.8010, 6.9472, 9.7866

Deuteranopia

7.0157, 6.8874, 4.3278



Tritanopia

11.9731, 6.6405, 1.4097

Trichromacy



Original Color

12.4665, 6.3355, 4.7035

Protanomaly

7.4666, 5.2075, 7.4491

Deuteranomaly

7.9346, 5.4038, 4.2393

Tritanomaly

11.9758, 6.3923, 2.1927

Monochromacy



Original Color

12.4665, 6.3355, 4.7035

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9054, 3.2214, 3.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4665, 6.3355, 4.7035 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(145, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 59)  
}
```

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(145, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 12.4665, 6.3355, 4.7035 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(145, 0, 59) }
```


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

```
.border{ border-color:rgb(145, 0, 59) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4665, 6.3355, 4.7035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 59) }
```

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

```
.background{ background-color: rgb(145, 0,  
59) }
```

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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