

Converting Colors

XYZ(11.4940, 4.9872, 6.2332)

Have a look what the booklet for
XYZ(11.4940, 4.9872, 6.2332)
contains.

XYZ(12.0900, 6.1049, 6.3355)	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(12.0900, 6.1049,
6.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	8D0046
RGB	141, 0, 70
RGB Percent	55%, 0%, 27%
CMY	0.4471, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.50, 0.45
HSL	330°, 100%, 28%
HSV	330°, 100%, 55%
XYZ	12.0900, 6.1049, 6.3355
YIQ	50.1390, 61.5660, 51.6620

Conversions

Conversions Part 2

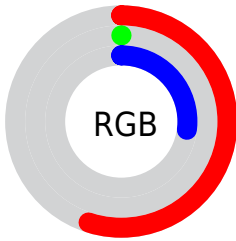
Format	Color
RYB	141, 0, 70
Decimal	9240646
CIELab	29.68, 54.58, 1.25
CIElCh	30, 54.595, 1.313
Yxy	6.1049, 0.4929, 0.2489
Android (android.graphics.Color)	4287430726 (0xFF8D0046)
YUV	50.1390, 9.7915, 79.6851
Hunter-Lab	24.7081, 44.1033, 2.0929

Details

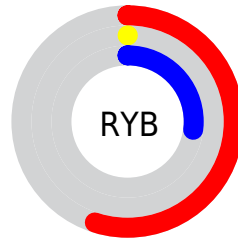
The XYZ color **12.0900, 6.1049, 6.3355** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.6629, 19.5050, 9.1668**, and the grayscale version is **3.0328, 3.1907, 3.4747**.

A 20% lighter version of the original color is **29.4068, 18.2221, 19.1068**, and **3.8540, 1.9639, 1.2129** is the 20% darker color. If you saturate the color by 10%, you get **12.0897, 6.1048, 6.3342**, and if you desaturate by 10%, it is **12.4862, 6.5172, 7.6397**.

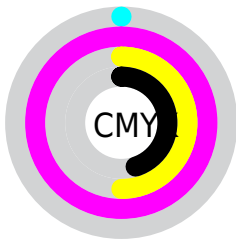
Distribution



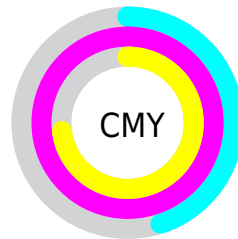
- Red (55%)
- Green (0%)
- Blue (27%)



- Red (55%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0900, 6.1049, 6.3355 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 12.0900, 6.1049, 6.3355 by changing the saturation by 10% instead.


 12.0900, 6.1049,
6.3355


 12.0900, 6.1049,
6.3355


198.7580,
160.0041, 171.4378


 6.8776, 2.9090,
2.9781


 29.2744, 18.1484,
19.1129


 3.4313, 1.0844,
1.0834

 41.9771, 27.7647,
29.3700


 1.3858, 0.0000,
0.0000

 57.9072, 40.2900,
42.7641

 0.2460, 0.0000,
0.0000


 77.4303, 56.1086,
59.7137


 0.0000, 0.0000,
0.0000


 100.9115, 75.6049,
80.6373


 128.7163, 99.1634,


105.9535


 161.2100,
127.1683, 136.0808


 12.0900, 6.1049,
6.3355


 12.0900, 6.1049,
6.3355


 12.0897, 6.1048,
6.3342

 12.4862, 6.5172,
7.6397

 13.0130, 7.1468,
9.1226

 13.7251, 8.1017,
10.8065

 14.6426, 9.4211,
12.7021

 15.7829, 11.1382,
14.8189

■ 17.1613, 13.2828,
17.1658

■ 18.7918, 15.8816,
19.7508

■ 20.6873, 18.9593,
22.5818

■ 22.8597, 22.5385,
25.6659

Harmonies

Analogous

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



11.1509, 6.1049, 15.7369



12.0900, 6.1049, 6.3355



10.9808, 6.1049, 1.7401

Triad

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



12.0900, 6.1049, 6.3355



3.6380, 6.1049, 0.3161



3.7801, 6.1049, 27.6459

Complementary

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



12.0900, 6.1049, 6.3355



10.6629, 19.5050, 9.1668

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.



2.5783, 6.1049, 16.7316



12.0900, 6.1049, 6.3355



2.5145, 6.1049, 1.9744

Square

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



12.0900, 6.1049, 6.3355



5.6926, 6.1049, 0.0000



2.1909, 6.1049, 6.9690



5.9138, 6.1049, 32.2605

Rectangle

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



12.0900, 6.1049, 6.3355



9.3731, 6.1049, 0.5977



2.1909, 6.1049, 6.9690



3.2780, 6.1049, 24.3312

Sweetspot

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



12.0902, 6.1053, 6.3356



33.4477, 28.1110, 35.0541



7.3705, 3.2445, 25.4370



7.2203, 5.8777, 7.4388



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.0902, 6.1053, 6.3356



21.5658, 10.8987, 10.8959



10.9848, 5.6631, 0.5146



5.5135, 5.4659, 6.2020



11.0316, 5.5697, 5.8177



0.1166, 0.0577, 0.1140

Inverse Universe

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



12.0902, 6.1053, 6.3356



21.5658, 10.8987, 10.8959



14.3328, 20.9729, 28.4920



5.5135, 5.4659, 6.2020



11.0316, 5.5697, 5.8177



0.1166, 0.0577, 0.1140

Previews

White Background



This preview shows how the XYZ color 12.0900, 6.1049, 6.3355 looks on a white background.

Color Contrast Check

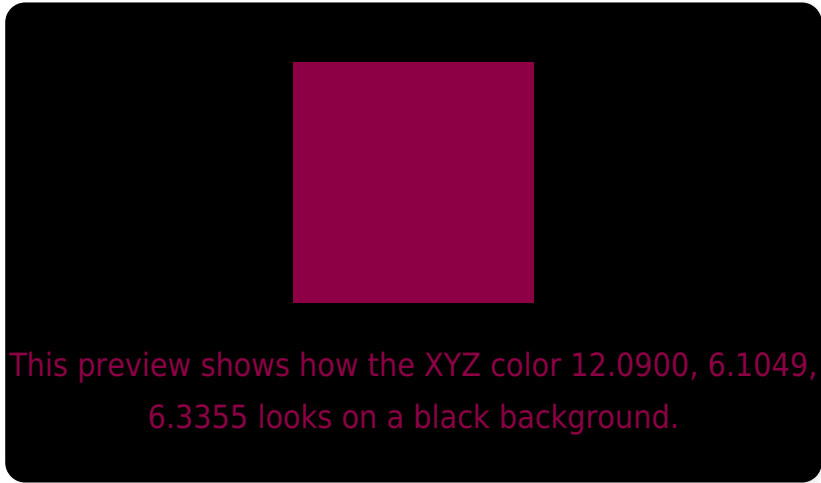
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0900, 6.1049, 6.3355

Background



This preview shows how black text looks on a background with the XYZ color 12.0900, 6.1049, 6.3355.



This preview shows how white text looks on a background with the XYZ color 12.0900, 6.1049,

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

12.0900, 6.1049, 6.3355

Protanopia

6.8463, 6.6981, 13.2439

Deuteranopia

6.8348, 6.7615, 5.7953



Tritanopia

11.2723, 6.4033, 1.7405

Trichromacy



Original Color

12.0900, 6.1049, 6.3355

Protanomaly

7.3367, 5.0193, 10.2550

Deuteranomaly

7.7475, 5.2734, 5.7638

Tritanomaly

11.4676, 6.1825, 2.8744

Monochromacy



Original Color

12.0900, 6.1049, 6.3355

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8223, 3.1674, 4.2281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0900, 6.1049, 6.3355 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(141, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 70)  
}
```

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(141, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.0900, 6.1049, 6.3355 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(141, 0, 70) }
```


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

```
.border{ border-color:rgb(141, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(141, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(141, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0900, 6.1049, 6.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 70) }
```

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

```
.background{ background-color: rgb(141, 0,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor