

Converting Colors

XYZ(29.6231, 30.4176, 9.4645)

Have a look what the booklet for
XYZ(29.6231, 30.4176, 9.4645)
contains.

XYZ(29.6224, 30.4161, 9.4639)	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(29.6224, 30.4161,
9.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	B29242
RGB	178, 146, 66
RGB Percent	70%, 57%, 26%
CMY	0.3020, 0.4274, 0.7412
CMYK	0.00, 0.18, 0.63, 0.30
HSL	43°, 46%, 48%
HSV	43°, 63%, 70%
XYZ	29.6224, 30.4161, 9.4639
YIQ	146.4480, 44.7520, -18.0960

Conversions

Conversions Part 2

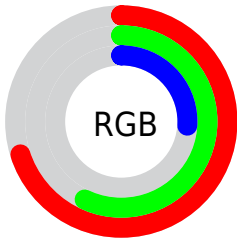
Format	Color
RYB	111, 178, 66
Decimal	11702850
CIELab	62.01, 2.74, 45.91
CIELCh	62, 45.991, 86.583
Yxy	30.4161, 0.4262, 0.4376
Android (android.graphics.Color)	4289892930 (0xFFB29242)
YUV	146.4480, -39.6609, 27.6711
Hunter-Lab	55.1508, -0.6386, 28.4314

Details

The XYZ color **29.6224, 30.4161, 9.4639** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.6502, 13.1076, 43.8773**, and the grayscale version is **27.6514, 29.0915, 31.6806**.

A 20% lighter version of the original color is **58.4572, 60.4258, 25.4119**, and **12.2816, 12.5324, 2.1525** is the 20% darker color. If you saturate the color by 10%, you get **28.4108, 28.7061, 6.8617**, and if you desaturate by 10%, it is **31.0336, 32.2641, 12.9389**.

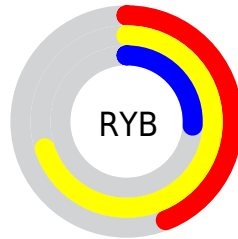
Distribution



Red (70%)

Green (57%)

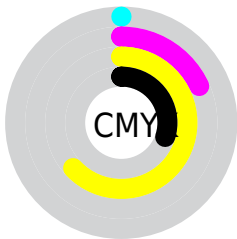
Blue (26%)



Red (44%)

Yellow (70%)

Blue (26%)

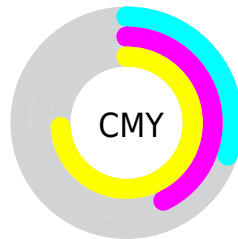


Cyan (0%)

Magenta (18%)

Yellow (63%)

Black (30%)



Cyan (30%)


Magenta (43%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6224, 30.4161, 9.4639 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 29.6224, 30.4161, 9.4639 by changing the saturation by 10% instead.


 29.6224, 30.4161,
9.4639


 29.6224, 30.4161,
9.4639


292.0819,
303.8392, 197.1456


 19.6988, 20.1546,
4.9441


 58.4552, 60.3196,
25.3740

 12.2833, 12.5075,
2.1563


 78.0952, 80.7304,
37.6013


 7.0105, 7.0903,
0.6490


 101.7047,
105.2931, 53.2349

 3.5150, 3.5186,
0.0000

 129.6490,
134.3922, 72.6933

 1.4316, 1.4081,
0.0000

 162.2935,
168.4119, 96.3950

 0.2786, 0.2227,
0.0000

200.0036,

 0.0000, 0.0000,

207.7367, 124.7586

0.0000

243.1446,
252.7510, 158.2026

■ 29.6224, 30.4161,
9.4639

■ 29.6224, 30.4161,
9.4639

■ 28.4108, 28.7061,
6.8617

■ 31.0336, 32.2641,
12.9389

■ 27.3805, 27.1225,
5.0475

■ 32.6565, 34.2520,
17.3574

■ 26.5129, 25.6584,
3.9227

■ 34.5044, 36.3872,
22.7846

■ 25.9687, 24.6823,
3.3955

■ 36.5890, 38.6749,
29.2797

■ 38.9209, 41.1201,
36.8970

■ 41.5103, 43.7275,
45.6874

■ 44.3665, 46.5014,
55.6984

■ 47.4984, 49.4460,
66.9749

■ 50.9145, 52.5655,
79.5598

Harmonies

Analogous

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



35.9469, 30.4161, 12.0847



29.6224, 30.4161, 9.4639



23.9196, 30.4161, 11.0799

Triad

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



29.6224, 30.4161, 9.4639



19.5460, 30.4161, 50.7654



39.9842, 30.4161, 55.5722

Complementary

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



29.6224, 30.4161, 9.4639



14.6502, 13.1076, 43.8773

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.



34.5494, 30.4161, 73.7366



29.6224, 30.4161, 9.4639



22.8564, 30.4161, 70.3376

Square

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



29.6224, 30.4161, 9.4639



18.6115, 30.4161, 31.1341



28.2083, 30.4161, 79.9225



42.4411, 30.4161, 35.1844

Rectangle

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



29.6224, 30.4161, 9.4639



21.1209, 30.4161, 14.8260



28.2083, 30.4161, 79.9225



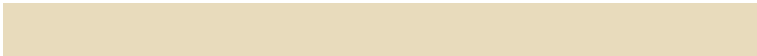
38.4104, 30.4161, 62.3849

Sweetspot

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



29.6231, 30.4176, 9.4645



67.8181, 71.6939, 57.8185



22.5894, 14.2741, 13.5203



14.7677, 15.6106, 11.9794



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.6231, 30.4176, 9.4645



50.6614, 50.7670, 10.8309



30.5369, 39.2622, 11.1235



8.9878, 9.4882, 9.0102



18.6366, 17.7719, 2.4481



0.6332, 0.6527, 0.0926

Inverse Universe

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



14.6502, 13.1076, 43.8773



21.3479, 16.9842, 78.5343



14.0469, 9.2054, 43.1559



8.2331, 8.6125, 10.7348



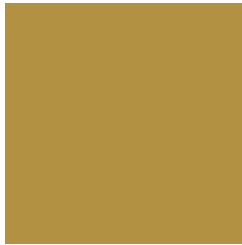
6.6396, 4.0796, 30.5745



0.2600, 0.2305, 0.9790

Previews

White Background



This preview shows how the XYZ color 29.6224, 30.4161, 9.4639 looks on a white 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

Black Background



This preview shows how the XYZ color 29.6224, 30.4161, 9.4639 looks on a black 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

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

XYZ 29.6224, 30.4161, 9.4639

Background



This preview shows how black text looks on a background with the XYZ color 29.6224, 30.4161, 9.4639.



This preview shows how white text looks on a background with the XYZ color 29.6224, 30.4161,

9.4639.

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

29.6224, 30.4161, 9.4639

Protanopia

27.8558, 30.4334, 9.7163

Deuteranopia

31.0853, 30.4893, 9.5568



Tritanopia

34.2985, 30.3437, 32.0662

Trichromacy



Original Color

29.6224, 30.4161, 9.4639

Protanomaly

28.5552, 30.5581, 9.7035

Deuteranomaly

30.5148, 30.4190, 9.5733

Tritanomaly

31.9395, 30.0093, 21.2485

Monochromacy



Original Color

29.6224, 30.4161, 9.4639

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.5903, 29.1112, 20.9945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6224, 30.4161, 9.4639 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(178, 146, 66)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 66)  
}
```

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(178, 146, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 66) }
```

Border

The CSS property to change the border of an element to XYZ 29.6224, 30.4161, 9.4639 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(178, 146, 66) }
```


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

```
.border{ border-color:rgb(178, 146, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 66);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6224, 30.4161, 9.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 66) }
```

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

```
.background{ background-color: rgb(178,  
146, 66) }
```

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