

Converting Colors

XYZ(29.6568, 29.9925, 11.2978)

Have a look what the booklet for
XYZ(29.6568, 29.9925, 11.2978)
contains.

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Color

**XYZ(29.6729, 29.9473,
11.2377)**

Conversions

Conversions Part 1

Format	Color
Hex	B2904D
RGB	178, 144, 77
RGB Percent	70%, 56%, 30%
CMY	0.3020, 0.4353, 0.6980
CMYK	0.00, 0.19, 0.57, 0.30
HSL	40°, 40%, 50%
HSV	40°, 57%, 70%
XYZ	29.6729, 29.9473, 11.2377
YIQ	146.5280, 41.7710, -13.6290

Conversions

Conversions Part 2

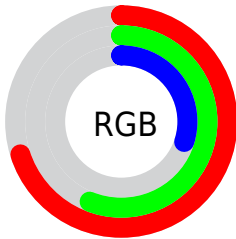
Format	Color
R_{YB}	128, 178, 77
Decimal	11702349
CIE _{Lab}	61.61, 4.67, 39.99
CIE _{LCh}	62, 40.266, 83.339
Yxy	29.9473, 0.4188, 0.4226
Android (android.graphics.Color)	4289892429 (0xFFB2904D)
YUV	146.5280, -34.2773, 27.6009
Hunter-Lab	54.7241, 1.0203, 26.1316

Details

The XYZ color **29.6729, 29.9473, 11.2377** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.7807, 16.1604, 44.3541**, and the grayscale version is **27.6638, 29.1045, 31.6948**.

A 20% lighter version of the original color is **58.6824, 59.7795, 28.8678**, and **12.3807, 12.3002, 2.8203** is the 20% darker color. If you saturate the color by 10%, you get **28.2451, 27.9636, 8.0741**, and if you desaturate by 10%, it is **31.3223, 32.0990, 15.3242**.

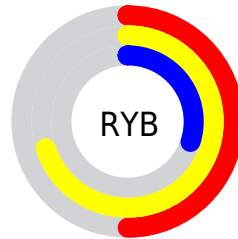
Distribution



Red (70%)

Green (56%)

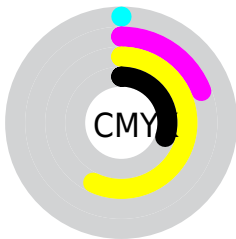
Blue (30%)



Red (50%)

Yellow (70%)

Blue (30%)

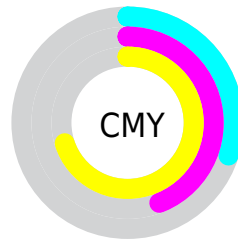


Cyan (0%)

Magenta (19%)

Yellow (57%)

Black (30%)



Cyan (30%)


Magenta (44%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6729, 29.9473, 11.2377 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 29.6729, 29.9473, 11.2377 by changing the saturation by 10% instead.


 29.6729, 29.9473,
11.2377


 29.6729, 29.9473,
11.2377


292.3140,
301.6587, 210.0868


 19.7373, 19.7986,
6.1108


 58.5347, 59.5788,
28.7422

 12.3114, 12.2487,
2.8427


 78.1916, 79.8304,
41.9569


 7.0298, 6.9133,
1.0149


 101.8196,
104.2185, 58.7046

 3.5272, 3.4079,
0.0000

 129.7841,
133.1273, 79.4038

 1.4383, 1.3482,
0.0000

 162.4504,
166.9414, 104.4731

 0.2833, 0.1781,
0.0000

200.1840,

 0.0000, 0.0000,

206.0450, 134.3310

0.0000

243.3500,
250.8227, 169.3960

■ 29.6729, 29.9473,
11.2377

■ 29.6729, 29.9473,
11.2377

■ 28.2451, 27.9636,
8.0741

■ 31.3223, 32.0990,
15.3242

■ 27.0216, 26.1364,
5.7555

■ 33.2046, 34.4209,
20.3994

■ 25.9856, 24.4588,
4.1941

■ 35.3329, 36.9206,
26.5250

■ 25.1130, 22.9201,
3.2670

■ 37.7184, 39.6036,
33.7572

■ 24.8486, 22.4422,
3.0221

■ 40.3717, 42.4753,
42.1481

■ 43.3027, 45.5407,
51.7466

■ 46.5207, 48.8045,
62.5986

■ 50.0346, 52.2714,
74.7478

■ 53.8529, 55.9457,
88.2357

Harmonies

Analogous

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



35.0526, 29.9473, 14.2353



29.6729, 29.9473, 11.2377



24.5830, 29.9473, 12.3594

Triad

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



29.6729, 29.9473, 11.2377



20.0312, 29.9473, 45.7153



37.5310, 29.9473, 53.5304

Complementary

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



29.6729, 29.9473, 11.2377



16.7807, 16.1604, 44.3541

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.



32.7334, 29.9473, 67.7912



29.6729, 29.9473, 11.2377



22.7575, 29.9473, 62.3802

Square

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



29.6729, 29.9473, 11.2377



19.4268, 29.9473, 29.3110



27.2884, 29.9473, 71.4553



39.9423, 29.9473, 36.1424

Rectangle

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



29.6729, 29.9473, 11.2377



21.9764, 29.9473, 15.5419



27.2884, 29.9473, 71.4553



36.1171, 29.9473, 59.0444

Sweetspot

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



29.6736, 29.9487, 11.2383



68.1482, 71.5408, 60.4363



23.9583, 15.9507, 17.2480



14.9015, 15.6316, 12.7839



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.



29.6736, 29.9487, 11.2383



50.6473, 49.8774, 13.4818



32.3335, 40.1472, 13.0666



8.9513, 9.4152, 8.9980



17.8394, 16.1774, 2.1823



0.6125, 0.6114, 0.0857

Inverse Universe

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



16.7807, 16.1604, 44.3541



25.0534, 22.5691, 79.4170



15.1187, 10.8055, 43.4081



8.2680, 8.6821, 10.7464



6.9555, 4.7114, 30.6798



0.2741, 0.2587, 0.9837

Previews

White Background



This preview shows how the XYZ color 29.6729, 29.9473, 11.2377 looks on a white background.

Color Contrast Check

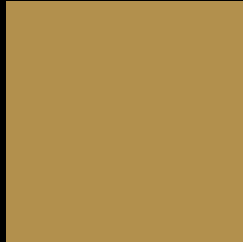
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.6729, 29.9473, 11.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

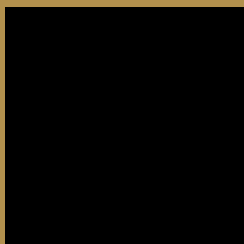
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6729, 29.9473, 11.2377

Background



This preview shows how black text looks on a background with the XYZ color 29.6729, 29.9473, 11.2377.



This preview shows how white text looks on a background with the XYZ color 29.6729, 29.9473,

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

29.6729, 29.9473, 11.2377

Protanopia

27.4686, 29.9519, 11.7307

Deuteranopia

30.5410, 29.9491, 11.1922



Tritanopia

33.8378, 29.9053, 31.5926

Trichromacy



Original Color

29.6729, 29.9473, 11.2377

Protanomaly

28.1711, 29.8525, 11.4851

Deuteranomaly

30.2181, 30.0045, 11.2200

Tritanomaly

32.0369, 29.8155, 22.4788

Monochromacy



Original Color

29.6729, 29.9473, 11.2377

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.8923, 29.2320, 22.5846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6729, 29.9473, 11.2377 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, 144, 77)` looks like.

```
.text, #text, p{  
    color:rgb(178, 144, 77)  
}
```

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, 144, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 144, 77) }
```

Border

The CSS property to change the border of an element to XYZ 29.6729, 29.9473, 11.2377 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, 144, 77) }
```


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

```
.border{ border-color:rgb(178, 144, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 144, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 144, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 144, 77);  
box-shadow:4px 4px 4px 4px rgb(178, 144,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6729, 29.9473, 11.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 144, 77) }
```

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

```
.background{ background-color: rgb(178,  
144, 77) }
```

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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