

Converting Colors

XYZ(29.8329, 28.0264, 4.2180)

Have a look what the booklet for
XYZ(29.8329, 28.0264, 4.2180)
contains.

XYZ(29.8329, 28.0264, 4.2180)	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(29.8329, 28.0264,
4.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	BE860D
RGB	190, 134, 13
RGB Percent	75%, 53%, 5%
CMY	0.2549, 0.4745, 0.9490
CMYK	0.00, 0.29, 0.93, 0.25
HSL	41°, 87%, 40%
HSV	41°, 93%, 75%
XYZ	29.8329, 28.0264, 4.2180
YIQ	136.9500, 72.2170, -25.7590

Conversions

Conversions Part 2

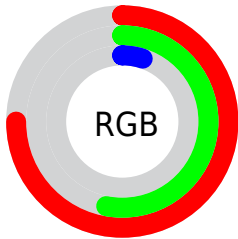
Format	Color
R _Y B	95, 190, 13
Decimal	12486157
CIE Lab	59.91, 12.59, 63.21
CIE LCh	60, 64.453, 78.736
Yxy	28.0264, 0.4806, 0.4515
Android (android.graphics.Color)	4290676237 (0xFFBE860D)
YUV	136.9500, -61.1073, 46.5249
Hunter-Lab	52.9400, 7.9440, 32.3340

Details

The XYZ color **29.8329, 28.0264, 4.2180** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.5884, 8.0596, 49.6596**, and the grayscale version is **23.9645, 25.2126, 27.4565**.

A 20% lighter version of the original color is **58.8240, 56.5579, 14.4730**, and **12.6086, 11.3223, 1.5209** is the 20% darker color. If you saturate the color by 10%, you get **29.2030, 26.8832, 3.6498**, and if you desaturate by 10%, it is **30.8763, 29.8123, 5.4940**.

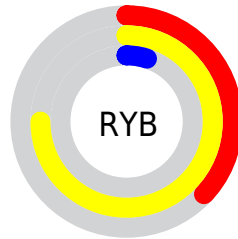
Distribution



Red (75%)

Green (53%)

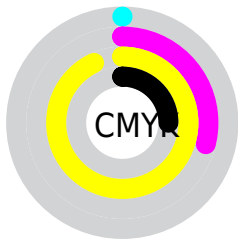
Blue (5%)



Red (37%)

Yellow (75%)

Blue (5%)

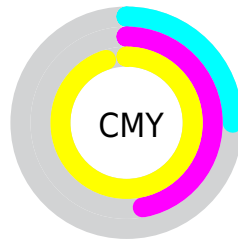


Cyan (0%)

Magenta (29%)

Yellow (93%)

Black (25%)



Cyan (25%)

Magenta (47%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8329, 28.0264, 4.2180 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 29.8329, 28.0264, 4.2180 by changing the saturation by 10% instead.

■ 29.8329, 28.0264,
4.2180

■ 29.8329, 28.0264,
4.2180

293.0486,
292.5930, 150.6185

■ 19.8592, 18.3456,
1.7457

■ 58.7863, 56.5266,
14.5095

■ 12.4004, 11.1984,
0.3918

■ 78.4967, 76.1147,
23.1657

■ 7.0911, 6.2004,
0.0000

■ 102.1834, 99.7741,
34.7204

■ 3.5660, 2.9673,
0.0000

■ 130.2117,
127.8891, 49.5920

■ 1.4597, 1.1147,
0.0000

■ 162.9470,
160.8441, 68.1990

■ 0.2981, 0.0000,
0.0000

■ 200.7547,

■ 0.0000, 0.0000,

199.0235, 90.9601

0.0000

244.0001,
242.8117, 118.2937

29.8329, 28.0264,
4.2180

29.8329, 28.0264,
4.2180

29.2030, 26.8832,
3.6498

30.8763, 29.8123,
5.4940

32.1158, 31.7523,
7.5689

33.5751, 33.8582,
10.5612

35.2737, 36.1388,
14.5691

37.2283, 38.6022,
19.6781

■ 39.4542, 41.2555,
25.9646

■ 41.9651, 44.1052,
33.4982

■ 44.7740, 47.1576,
42.3429

■ 47.8927, 50.4186,
52.5585

Harmonies

Analogous

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



38.4274, 28.0264, 7.6247



29.8329, 28.0264, 4.2180



21.8952, 28.0264, 4.6377

Triad

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



29.8329, 28.0264, 4.2180



14.3389, 28.0264, 47.4078



40.3091, 28.0264, 70.9514

Complementary

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



29.8329, 28.0264, 4.2180



11.5884, 8.0596, 49.6596

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.



32.0211, 28.0264, 96.2142



29.8329, 28.0264, 4.2180



17.5466, 28.0264, 78.4945

Square

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



29.8329, 28.0264, 4.2180



13.9904, 28.0264, 22.5298



23.6802, 28.0264, 99.5207



45.2509, 28.0264, 40.1963

Rectangle

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



29.8329, 28.0264, 4.2180



17.9526, 28.0264, 7.1286



23.6802, 28.0264, 99.5207



37.7520, 28.0264, 80.9196

Sweetspot

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



29.8335, 28.0278, 4.2185



73.5706, 77.1442, 53.1807



22.4549, 11.6654, 6.7073



15.7312, 16.4530, 10.4228



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.8335, 28.0278, 4.2185



52.6875, 48.2501, 6.5363



32.4983, 44.0792, 7.1763



10.0608, 10.5975, 10.0919



19.4916, 18.0219, 2.4513



0.8198, 0.8185, 0.1148

Inverse Universe

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



11.5884, 8.0596, 49.6596



19.5849, 12.2217, 89.6059



10.5405, 4.5740, 49.0420



9.2562, 9.7048, 12.0576



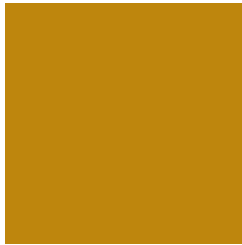
7.3215, 4.7547, 32.9248



0.3472, 0.3070, 1.3098

Previews

White Background



This preview shows how the XYZ color 29.8329, 28.0264, 4.2180 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 29.8329, 28.0264, 4.2180 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 29.8329, 28.0264, 4.2180

Background



This preview shows how black text looks on a background with the XYZ color 29.8329, 28.0264, 4.2180.



This preview shows how white text looks on a background with the XYZ color 29.8329, 28.0264,

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

29.8329, 28.0264, 4.2180

Protanopia

25.3308, 28.0778, 4.6148

Deuteranopia

28.5070, 27.9717, 4.0689



Tritanopia

34.4016, 28.1242, 26.1696

Trichromacy



Original Color

29.8329, 28.0264, 4.2180

Protanomaly

26.8520, 27.9714, 4.4740

Deuteranomaly

29.1032, 28.0671, 4.1420

Tritanomaly

31.8128, 27.6459, 13.3323

Monochromacy



Original Color

29.8329, 28.0264, 4.2180

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.4462, 25.4489, 13.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8329, 28.0264, 4.2180 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(190, 134, 13)` looks like.

```
.text, #text, p{  
    color:rgb(190, 134, 13)  
}
```

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(190, 134, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 134, 13) }
```

Border

The CSS property to change the border of an element to XYZ 29.8329, 28.0264, 4.2180 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(190, 134, 13) }
```


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

```
.border{ border-color:rgb(190, 134, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 134, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 134, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 134, 13);  
box-shadow:4px 4px 4px 4px rgb(190, 134,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8329, 28.0264, 4.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 134, 13) }
```

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

```
.background{ background-color: rgb(190,  
134, 13) }
```

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