

Converting Colors

XYZ(30.5722, 28.6789, 8.6915)

Have a look what the booklet for
XYZ(30.5722, 28.6789, 8.6915)
contains.

XYZ(30.6876, 28.7860, 8.6415)	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(30.6876, 28.7860,
8.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	BD883F
RGB	189, 136, 63
RGB Percent	74%, 53%, 25%
CMY	0.2588, 0.4666, 0.7529
CMYK	0.00, 0.28, 0.67, 0.26
HSL	35°, 50%, 49%
HSV	35°, 67%, 74%
XYZ	30.6876, 28.7860, 8.6415
YIQ	143.5250, 55.0210, -11.4670

Conversions

Conversions Part 2

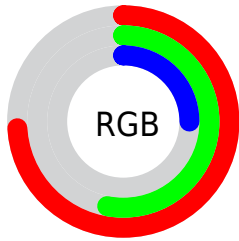
Format	Color
RYB	154, 189, 63
Decimal	12421183
CIELab	60.59, 12.87, 46.11
CIELCh	61, 47.871, 74.399
Yxy	28.7860, 0.4505, 0.4226
Android (android.graphics.Color)	4290611263 (0xFFBD883F)
YUV	143.5250, -39.6988, 39.8816
Hunter-Lab	53.6526, 8.2044, 28.0073

Details

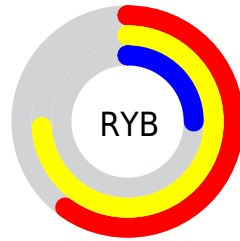
The XYZ color **30.6876, 28.7860, 8.6415** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.4803, 17.2209, 50.5464**, and the grayscale version is **26.4579, 27.8357, 30.3131**.

A 20% lighter version of the original color is **59.9463, 57.5666, 23.8715**, and **12.8983, 11.5830, 1.8431** is the 20% darker color. If you saturate the color by 10%, you get **29.1691, 26.4543, 5.9618**, and if you desaturate by 10%, it is **32.4717, 31.3592, 12.3046**.

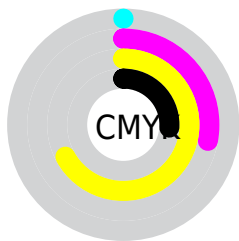
Distribution



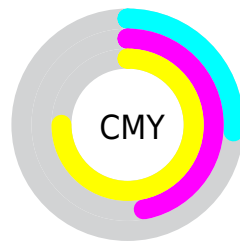
- Red (74%)
- Green (53%)
- Blue (25%)



- Red (60%)
- Yellow (74%)
- Blue (25%)



- Cyan (0%)
- Magenta (28%)
- Yellow (67%)
- Black (26%)





- Cyan (26%)
- Magenta (47%)
- Yellow (75%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6876, 28.7860, 8.6415 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 30.6876, 28.7860, 8.6415 by changing the saturation by 10% instead.


 30.6876, 28.7860,
8.6415


 30.6876, 28.7860,
8.6415


296.9491,
296.2039, 190.7991


 20.5117, 18.9190,
4.4145


 60.1271, 57.7369,
23.7734

 12.8780, 11.6118,
1.8554


 80.1214, 77.5896,
35.5153

 7.4210, 6.4799,
0.4641


 104.1193,
101.5396, 50.5993

 3.7754, 3.1390,
0.0000

 132.4861,
129.9714, 69.4439

 1.5759, 1.2047,
0.0000

 165.5871,
163.2693, 92.4676

 0.3766, 0.0656,
0.0000

203.7877,

 0.0000, 0.0000,

201.8178, 120.0890

0.0000

247.4533,
246.0012, 152.7267

■ 30.6876, 28.7860,
8.6415

■ 30.6876, 28.7860,
8.6415

■ 29.1691, 26.4543,
5.9618

■ 32.4717, 31.3592,
12.3046

■ 27.8931, 24.3484,
4.1608

■ 34.5380, 34.1797,
17.0382

■ 26.8322, 22.4556,
3.1011

■ 36.9036, 37.2583,
22.9212

■ 26.5089, 21.8644,
2.8231

■ 39.5834, 40.6035,
30.0249

■ 42.5915, 44.2236,
38.4147

■ 45.9408, 48.1261,
48.1511

■ 49.6435, 52.3184,
59.2909

■ 53.7111, 56.8074,
71.8876

■ 58.1546, 61.5998,
85.9919

Harmonies

Analogous

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



36.7754, 28.7860, 13.0321



30.6876, 28.7860, 8.6415



24.5061, 28.7860, 8.5633

Triad

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



30.6876, 28.7860, 8.6415



17.3755, 28.7860, 40.6061



36.5606, 28.7860, 62.5495

Complementary

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



30.6876, 28.7860, 8.6415



17.4803, 17.2209, 50.5464

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.



30.4278, 28.7860, 77.3073



30.6876, 28.7860, 8.6415



19.7071, 28.7860, 61.7509

Square

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



30.6876, 28.7860, 8.6415



17.4233, 28.7860, 23.0406



24.2825, 28.7860, 76.9697



40.4990, 28.7860, 41.4330

Rectangle

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



30.6876, 28.7860, 8.6415



21.1721, 28.7860, 10.7916



24.2825, 28.7860, 76.9697



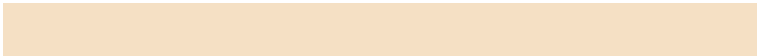
34.6500, 28.7860, 68.7196

Sweetspot

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



30.6883, 28.7874, 8.6421



74.2435, 76.7777, 63.0356



26.0101, 15.6725, 18.6697



15.6404, 16.1190, 12.6484



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.6883, 28.7874, 8.6421



51.1362, 45.5904, 9.0060



38.0570, 46.5292, 11.6782



9.9768, 10.4296, 10.0639



17.9131, 14.8650, 1.9251



0.7651, 0.7090, 0.0965

Inverse Universe

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



17.4803, 17.2209, 50.5464



25.8763, 23.5537, 89.4087



13.5910, 8.5842, 49.0843



9.3374, 9.8671, 12.0846



8.1575, 6.4268, 33.2034



0.3844, 0.3814, 1.3222

Previews

White Background



This preview shows how the XYZ color 30.6876, 28.7860, 8.6415 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 30.6876, 28.7860, 8.6415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

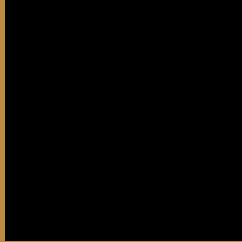
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6876, 28.7860, 8.6415

Background



This preview shows how black text looks on a background with the XYZ color 30.6876, 28.7860, 8.6415.



This preview shows how white text looks on a background with the XYZ color 30.6876, 28.7860,

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

30.6876, 28.7860, 8.6415

Protanopia

26.5213, 29.0473, 9.3631

Deuteranopia

29.3935, 28.7581, 8.5591



Tritanopia

34.5548, 28.7427, 27.7714

Trichromacy



Original Color

30.6876, 28.7860, 8.6415

Protanomaly

27.7899, 28.7972, 9.0948

Deuteranomaly

29.9656, 28.8390, 8.5446

Tritanomaly

32.7238, 28.5868, 18.8320

Monochromacy



Original Color

30.6876, 28.7860, 8.6415

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.1166, 27.7611, 20.1489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6876, 28.7860, 8.6415 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(189, 136, 63)` looks like.

```
.text, #text, p{  
    color:rgb(189, 136, 63)  
}
```

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(189, 136, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 136, 63) }
```

Border

The CSS property to change the border of an element to XYZ 30.6876, 28.7860, 8.6415 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(189, 136, 63) }
```


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

```
.border{ border-color:rgb(189, 136, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 136, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 136, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 136, 63);  
box-shadow:4px 4px 4px 4px rgb(189, 136,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6876, 28.7860, 8.6415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 136, 63) }
```

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

```
.background{ background-color: rgb(189,  
136, 63) }
```

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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