

Converting Colors

XYZ(30.6257, 29.2887, 9.0861)

Have a look what the booklet for
XYZ(30.6257, 29.2887, 9.0861)
contains.

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Color

**XYZ(30.6803, 29.4117,
9.0610)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8B41
RGB	187, 139, 65
RGB Percent	73%, 55%, 25%
CMY	0.2667, 0.4549, 0.7451
CMYK	0.00, 0.26, 0.65, 0.27
HSL	36°, 48%, 49%
HSV	36°, 65%, 73%
XYZ	30.6803, 29.4117, 9.0610
YIQ	144.9160, 52.3620, -12.8380

Conversions

Conversions Part 2

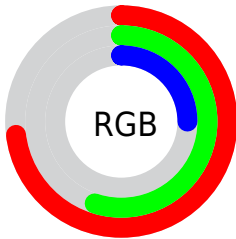
Format	Color
R_{YB}	144, 187, 65
Decimal	12290881
CIE Lab	61.14, 10.47, 45.69
CIE LCh	61, 46.873, 77.090
Yxy	29.4117, 0.4437, 0.4253
Android (android.graphics.Color)	4290480961 (0xFFBB8B41)
YUV	144.9160, -39.3986, 36.9077
Hunter-Lab	54.2326, 6.0736, 28.0568

Details

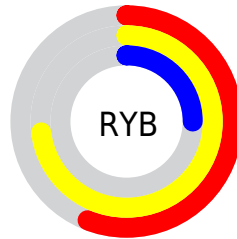
The XYZ color **30.6803, 29.4117, 9.0610** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0544, 16.5212, 49.3036**, and the grayscale version is **27.0203, 28.4274, 30.9575**.

A 20% lighter version of the original color is **60.0081, 58.5531, 24.6621**, and **12.8509, 11.9196, 2.0042** is the 20% darker color. If you saturate the color by 10%, you get **29.1962, 27.1717, 6.3220**, and if you desaturate by 10%, it is **32.4168, 31.8697, 12.7693**.

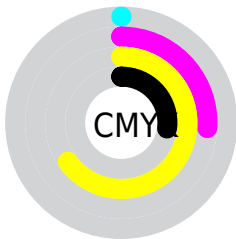
Distribution



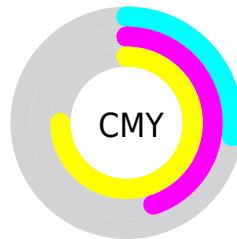
- Red (73%)
- Green (55%)
- Blue (25%)



- Red (56%)
- Yellow (73%)
- Blue (25%)



- Cyan (0%)
- Magenta (26%)
- Yellow (65%)
- Black (27%)





- Cyan (27%)
- Magenta (45%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6803, 29.4117, 9.0610 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 30.6803, 29.4117, 9.0610 by changing the saturation by 10% instead.


 30.6803, 29.4117,
9.0610


 30.6803, 29.4117,
9.0610


296.9160,
299.1525, 194.0671


 20.5062, 19.3925,
4.6836


 60.1157, 58.7306,
24.5933


 12.8739, 11.9542,
2.0074


 80.1076, 78.7990,
36.5853


 7.4182, 6.7125,
0.5598


 104.1028,
102.9860, 51.9525

 3.7736, 3.2830,
0.0000

 132.4667,
131.6759, 71.1136

 1.5749, 1.2812,
0.0000

 165.5646,
165.2531, 94.4871

 0.3759, 0.1266,
0.0000

203.7619,

 0.0000, 0.0000,

204.1020, 122.4915

0.0000

247.4239,
248.6070, 155.5453

■ 30.6803, 29.4117,
9.0610

■ 30.6803, 29.4117,
9.0610

■ 29.1962, 27.1717,
6.3220

■ 32.4168, 31.8697,
12.7693

■ 27.9426, 25.1352,
4.4527

■ 34.4209, 34.5504,
17.5299

■ 26.8959, 23.2917,
3.3338

■ 36.7089, 37.4637,
23.4184

■ 26.4470, 22.4719,
2.9436

■ 39.2949, 40.6173,
30.5033

■ 42.1922, 44.0185,
38.8473

■ 45.4128, 47.6740,
48.5090

■ 48.9684, 51.5905,
59.5430

■ 52.8698, 55.7741,
72.0009

■ 57.1274, 60.2308,
85.9317

Harmonies

Analogous

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



36.8012, 29.4117, 13.0765



30.6803, 29.4117, 9.0610



24.6227, 29.4117, 9.3393

Triad

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



30.6803, 29.4117, 9.0610



18.1091, 29.4117, 43.0400



37.5384, 29.4117, 61.0495

Complementary

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



30.6803, 29.4117, 9.0610



17.0544, 16.5212, 49.3036

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.



31.5750, 29.4117, 76.5121



30.6803, 29.4117, 9.0610



20.6537, 29.4117, 63.7736

Square

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



30.6803, 29.4117, 9.0610



17.9426, 29.4117, 25.0398



25.3960, 29.4117, 77.6600



41.1339, 29.4117, 40.2001

Rectangle

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



30.6803, 29.4117, 9.0610



21.4144, 29.4117, 11.8975



25.3960, 29.4117, 77.6600



35.7077, 29.4117, 67.3358

Sweetspot

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



30.6810, 29.4131, 9.0616



72.8573, 75.6843, 61.6898



25.4098, 15.5560, 17.5236



15.7270, 16.2923, 12.6773



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.



30.6810, 29.4131, 9.0616



51.3400, 47.1548, 9.7997



36.3588, 45.0130, 11.7734



9.9986, 10.4732, 10.0712



18.2942, 15.6272, 2.0521



0.7786, 0.7362, 0.1011

Inverse Universe

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



17.0544, 16.5212, 49.3036



25.2195, 22.5330, 87.2215



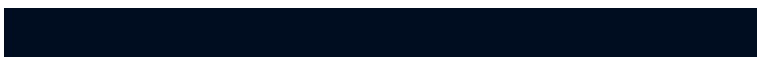
13.9369, 8.9548, 48.0074



9.3161, 9.8246, 12.0775



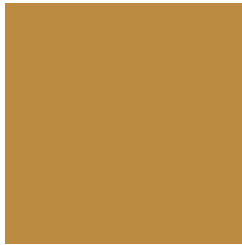
7.9135, 5.9388, 33.1221



0.3740, 0.3607, 1.3188

Previews

White Background



This preview shows how the XYZ color 30.6803, 29.4117, 9.0610 looks on a white background.

Color Contrast Check

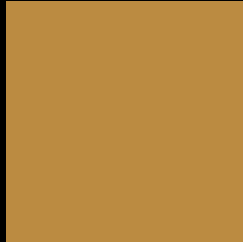
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6803, 29.4117, 9.0610 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 30.6803, 29.4117, 9.0610

Background



This preview shows how black text looks on a background with the XYZ color 30.6803, 29.4117, 9.0610.



This preview shows how white text looks on a background with the XYZ color 30.6803, 29.4117,

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

30.6803, 29.4117, 9.0610

Protanopia

26.9431, 29.4897, 9.7409

Deuteranopia

30.0075, 29.4987, 9.1133



Tritanopia

34.9163, 29.4931, 29.0518

Trichromacy



Original Color

30.6803, 29.4117, 9.0610

Protanomaly

28.1518, 29.4267, 9.5064

Deuteranomaly

30.0994, 29.3282, 9.0755

Tritanomaly

32.9916, 29.3188, 19.5430

Monochromacy



Original Color

30.6803, 29.4117, 9.0610

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.4721, 28.3795, 20.5528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6803, 29.4117, 9.0610 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(187, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(187, 139, 65)  
}
```

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(187, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 139, 65) }
```

Border

The CSS property to change the border of an element to XYZ 30.6803, 29.4117, 9.0610 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(187, 139, 65) }
```


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

```
.border{ border-color:rgb(187, 139, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 139, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(187, 139,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6803, 29.4117, 9.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 139, 65) }
```

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

```
.background{ background-color: rgb(187,  
139, 65) }
```

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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