

Converting Colors

XYZ(29.0228, 27.7222, 4.5055)

Have a look what the booklet for
XYZ(29.0228, 27.7222, 4.5055)
contains.

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Color

**XYZ(29.0399, 27.8176,
4.5006)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8714
RGB	186, 135, 20
RGB Percent	73%, 53%, 8%
CMY	0.2706, 0.4706, 0.9215
CMYK	0.00, 0.27, 0.89, 0.27
HSL	42°, 81%, 40%
HSV	42°, 89%, 73%
XYZ	29.0399, 27.8176, 4.5006
YIQ	137.1390, 67.3110, -24.9530

Conversions

Conversions Part 2

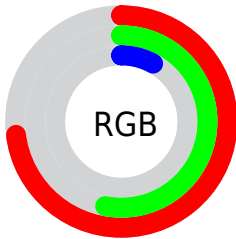
Format	Color
R_{YB}	94, 186, 20
Decimal	12224276
CIE _{Lab}	59.72, 10.37, 61.41
CIE _{LCh}	60, 62.276, 80.418
Yxy	27.8176, 0.4733, 0.4534
Android (android.graphics.Color)	4290414356 (0xFFBA8714)
YUV	137.1390, -57.7495, 42.8511
Hunter-Lab	52.7424, 5.9827, 31.8604

Details

The XYZ color **29.0399, 27.8176, 4.5006** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.4047, 8.2004, 47.4356**, and the grayscale version is **24.0253, 25.2765, 27.5261**.

A 20% lighter version of the original color is **57.4005, 56.1238, 15.2048**, and **12.2299, 11.2448, 1.5259** is the 20% darker color. If you saturate the color by 10%, you get **28.1459, 26.2195, 3.6178**, and if you desaturate by 10%, it is **30.0927, 29.5500, 6.0031**.

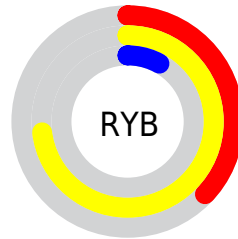
Distribution



Red (73%)

Green (53%)

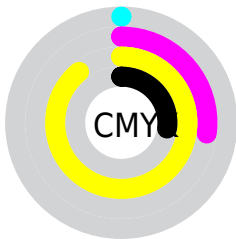
Blue (8%)



Red (37%)

Yellow (73%)

Blue (8%)

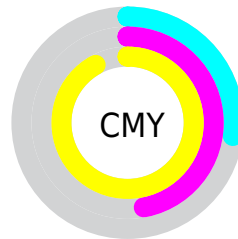


Cyan (0%)

Magenta (27%)

Yellow (89%)

Black (27%)



Cyan (27%)

Magenta (47%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0399, 27.8176, 4.5006 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 29.0399, 27.8176, 4.5006 by changing the saturation by 10% instead.

■ 29.0399, 27.8176,
4.5006

■ 29.0399, 27.8176,
4.5006

289.3940,
291.5943, 153.6369

■ 19.2554, 18.1882,
1.9038

■ 57.5376, 56.1931,
15.1488

■ 11.9601, 11.0852,
0.4951

■ 76.9815, 75.7080,
24.0372

■ 6.7885, 6.1242,
0.0000

■ 100.3760, 99.2869,
35.8599

■ 3.3753, 2.9207,
0.0000

■ 128.0864,
127.3141, 51.0355

■ 1.3552, 1.0905,
0.0000

■ 160.4780,
160.1740, 69.9824

■ 0.2240, 0.0000,
0.0000

■ 197.9163,

■ 0.0000, 0.0000,

198.2511, 93.1193

0.0000

240.7665,
241.9297, 120.8646

29.0399, 27.8176,
4.5006

29.0399, 27.8176,
4.5006

28.1459, 26.2195,
3.6178

30.0927, 29.5500,
6.0031

28.0812, 26.1025,
3.5582

31.3390, 31.4281,
8.3124

32.7994, 33.4624,
11.5324

34.4913, 35.6609,
15.7508

36.4300, 38.0305,
21.0451

■ 38.6292, 40.5778,
27.4850

■ 41.1017, 43.3088,
35.1343

■ 43.8591, 46.2291,
44.0521

■ 46.9125, 49.3440,
54.2935

Harmonies

Analogous

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



37.3028, 27.8176, 7.6595



29.0399, 27.8176, 4.5006



21.5037, 27.8176, 5.1214

Triad

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



29.0399, 27.8176, 4.5006



14.6416, 27.8176, 48.0650



39.9030, 27.8176, 67.1501

Complementary

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



29.0399, 27.8176, 4.5006



11.4047, 8.2004, 47.4356

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.



32.0787, 27.8176, 91.7720



29.0399, 27.8176, 4.5006



17.9215, 27.8176, 77.4786

Square

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



29.0399, 27.8176, 4.5006



14.1484, 27.8176, 23.6314



23.9997, 27.8176, 96.2794



44.3462, 27.8176, 38.0916

Rectangle

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



29.0399, 27.8176, 4.5006



17.7913, 27.8176, 7.8232



23.9997, 27.8176, 96.2794



37.5159, 27.8176, 76.7211

Sweetspot

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



29.0405, 27.8190, 4.5011



70.7868, 74.4153, 52.1454



21.6881, 11.4149, 7.2892



15.2688, 16.0263, 10.5193



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.



29.0405, 27.8190, 4.5011



50.6751, 46.8640, 6.3748



31.3117, 42.1927, 7.1558



9.5111, 10.0251, 9.5407



18.9611, 17.6986, 2.4168



0.7205, 0.7281, 0.1026

Inverse Universe

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



11.4047, 8.2004, 47.4356



18.5415, 11.3797, 85.4207



10.4502, 4.7350, 46.8170



8.7401, 9.1575, 11.3864



7.0109, 4.4815, 31.7486



0.3037, 0.2711, 1.1381

Previews

White Background



This preview shows how the XYZ color 29.0399, 27.8176, 4.5006 looks on a white background.

Color Contrast Check

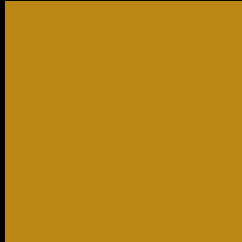
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0399, 27.8176, 4.5006 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 29.0399, 27.8176, 4.5006

Background



This preview shows how black text looks on a background with the XYZ color 29.0399, 27.8176, 4.5006.



This preview shows how white text looks on a background with the XYZ color 29.0399, 27.8176,

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

29.0399, 27.8176, 4.5006

Protanopia

25.1803, 27.9940, 4.8869

Deuteranopia

28.3462, 27.8801, 4.4597



Tritanopia

33.5723, 27.8774, 26.5331

Trichromacy



Original Color

29.0399, 27.8176, 4.5006

Protanomaly

26.4643, 27.7656, 4.7235

Deuteranomaly

28.4501, 27.7226, 4.4676

Tritanomaly

31.0612, 27.4380, 14.0149

Monochromacy



Original Color

29.0399, 27.8176, 4.5006

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.3421, 25.3850, 14.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0399, 27.8176, 4.5006 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(186, 135, 20)` looks like.

```
.text, #text, p{  
    color:rgb(186, 135, 20)  
}
```

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(186, 135, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 135, 20) }
```

Border

The CSS property to change the border of an element to XYZ 29.0399, 27.8176, 4.5006 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(186, 135, 20) }
```


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

```
.border{ border-color:rgb(186, 135, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 135, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 135, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 135, 20);  
box-shadow:4px 4px 4px 4px rgb(186, 135,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0399, 27.8176, 4.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 135, 20) }
```

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

```
.background{ background-color: rgb(186,  
135, 20) }
```

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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