

Converting Colors

XYZ(32.8719, 28.1055, 8.5428)

Have a look what the booklet for
XYZ(32.8719, 28.1055, 8.5428)
contains.

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Color

**XYZ(32.8719, 28.1055,
8.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7F40
RGB	202, 127, 64
RGB Percent	79%, 50%, 25%
CMY	0.2078, 0.5019, 0.7490
CMYK	0.00, 0.37, 0.68, 0.21
HSL	27°, 57%, 52%
HSV	27°, 68%, 79%
XYZ	32.8719, 28.1055, 8.5428
YIQ	142.2430, 64.9230, -3.6930

Conversions

Conversions Part 2

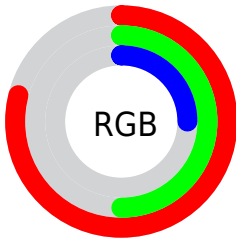
Format	Color
R _Y B	202, 180, 64
Decimal	13270848
CIE Lab	59.98, 23.45, 45.39
CIE LCh	60, 51.086, 62.676
Yxy	28.1055, 0.4728, 0.4043
Android (android.graphics.Color)	4291460928 (0xFFCA7F40)
YUV	142.2430, -38.5738, 52.4069
Hunter-Lab	53.0146, 17.9040, 27.5562

Details

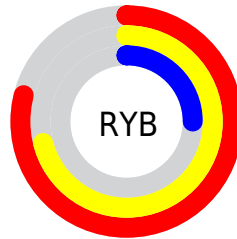
The XYZ color **32.8719, 28.1055, 8.5428** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **22.0069, 23.8180, 59.3142**, and the grayscale version is **25.9382, 27.2890, 29.7177**.

A 20% lighter version of the original color is **60.5985, 55.1174, 23.3644**, and **14.0542, 11.1765, 1.7973** is the 20% darker color. If you saturate the color by 10%, you get **31.0565, 25.2342, 5.5972**, and if you desaturate by 10%, it is **35.0512, 31.3719, 12.6369**.

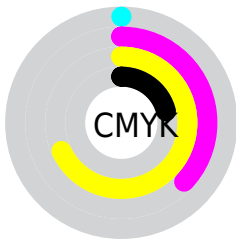
Distribution



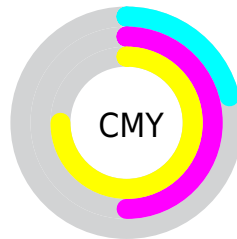
- Red (79%)
- Green (50%)
- Blue (25%)



- Red (79%)
- Yellow (71%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (68%)
- Black (21%)





- Cyan (21%)
- Magenta (50%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8719, 28.1055, 8.5428 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 32.8719, 28.1055, 8.5428 by changing the saturation by 10% instead.


 32.8719, 28.1055,
8.5428


 32.8719, 28.1055,
8.5428


306.7473,
292.9707, 190.0203


 22.1871, 18.4052,
4.3515


 63.5315, 56.6528,
23.5794

 14.1118, 11.2413,
1.8201


 84.2370, 76.2687,
35.2617


 8.2807, 6.2294,
0.4411

 109.0135, 99.9584,
50.2781

 4.3284, 2.9851,
0.0000

 138.2262,
128.1066, 69.0472

 1.8895, 1.1239,
0.0000

 172.2406,
161.0975, 91.9874

 0.5707, 0.0000,
0.0000

211.4220,

 0.0000, 0.0000,

199.3156, 119.5173

0.0000

256.1358,
243.1452, 152.0554

■ 32.8719, 28.1055,
8.5428

■ 32.8719, 28.1055,
8.5428

■ 31.0565, 25.2342,
5.5972

■ 35.0512, 31.3719,
12.6369

■ 29.5745, 22.7343,
3.6720

■ 37.6173, 35.0466,
17.9859

■ 28.3848, 20.5824,
2.5744

■ 40.5933, 39.1472,
24.6854

■ 28.2036, 20.2498,
2.4221

■ 43.9995, 43.6887,
32.8215

■ 47.8547, 48.6853,
42.4729

■ 52.1765, 54.1505,
53.7124

■ 56.9816, 60.0971,
66.6084

■ 62.2857, 66.5376,
81.2250

■ 68.1037, 73.4836,
97.6230

Harmonies

Analogous

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



38.6773, 28.1055, 15.0576



32.8719, 28.1055, 8.5428



26.1340, 28.1055, 6.9623

Triad

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



32.8719, 28.1055, 8.5428



16.0713, 28.1055, 32.3044



34.0466, 28.1055, 71.7094

Complementary

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



32.8719, 28.1055, 8.5428



22.0069, 23.8180, 59.3142

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.



27.3014, 28.1055, 82.1016



32.8719, 28.1055, 8.5428



17.5125, 28.1055, 54.2851

Square

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



32.8719, 28.1055, 8.5428



17.0757, 28.1055, 16.9352



21.3766, 28.1055, 74.6992



39.4292, 28.1055, 50.1517

Rectangle

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



32.8719, 28.1055, 8.5428



22.1782, 28.1055, 8.0294



21.3766, 28.1055, 74.6992



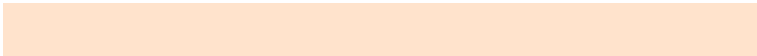
31.8282, 28.1055, 76.9455

Sweetspot

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



32.8725, 28.1069, 8.5433



79.6861, 80.7136, 68.5061



30.9167, 18.1139, 26.6393



16.6504, 16.7524, 13.6408



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.8725, 28.1069, 8.5433



51.3103, 40.6146, 7.7095



44.8198, 52.0015, 12.5257



11.6272, 12.0434, 11.7912



18.2356, 13.2042, 1.5875



1.0163, 0.8323, 0.1071

Inverse Universe

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



22.0069, 23.8180, 59.3142



31.6622, 32.7785, 99.2659



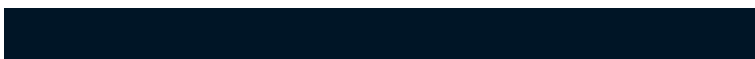
15.0220, 9.8482, 56.9859



11.0984, 11.8373, 14.2702



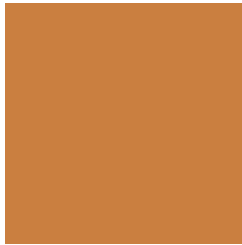
10.5225, 10.0690, 37.3452



0.6182, 0.6701, 1.9517

Previews

White Background



This preview shows how the XYZ color 32.8719, 28.1055, 8.5428 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 32.8719, 28.1055, 8.5428 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 32.8719, 28.1055, 8.5428

Background



This preview shows how black text looks on a background with the XYZ color 32.8719, 28.1055, 8.5428.



This preview shows how white text looks on a background with the XYZ color 32.8719, 28.1055,

8.5428.

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

32.8719, 28.1055, 8.5428

Protanopia

25.9288, 28.2701, 9.8844

Deuteranopia

28.7532, 28.2172, 8.3459



Tritanopia

36.1325, 28.1397, 24.2960

Trichromacy



Original Color

32.8719, 28.1055, 8.5428

Protanomaly

28.0364, 27.8244, 9.3618

Deuteranomaly

30.1336, 28.0894, 8.3910

Tritanomaly

34.8096, 28.1650, 16.9663

Monochromacy



Original Color

32.8719, 28.1055, 8.5428

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.2928, 26.9987, 19.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8719, 28.1055, 8.5428 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(202, 127, 64)` looks like.

```
.text, #text, p{  
    color:rgb(202, 127, 64)  
}
```

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(202, 127, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 127, 64) }
```

Border

The CSS property to change the border of an element to XYZ 32.8719, 28.1055, 8.5428 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(202, 127, 64) }
```


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

```
.border{ border-color:rgb(202, 127, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 127, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 127, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 127, 64);  
box-shadow:4px 4px 4px 4px rgb(202, 127,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8719, 28.1055, 8.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 127, 64) }
```

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

```
.background{ background-color: rgb(202,  
127, 64) }
```

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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